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The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3436
CXIV

DECEMBER 15, 1945

Annual Subscription (with
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During the war Imperial Chemical [Pharmaceuticals] Limited supplied the fighting forces of the United Nations with thousands of millions of mepacrine tablets—many in a special moisture-proof tropical pack devised by I.C.I.—and thousands of pounds of sulphonamides, anaesthetics, antiseptics and other vital drugs. An important part was also played in the production of penicillin in this country.

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Ph. 110a

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VITAMIN PRODUCTS**
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IN ENVELOPE IRRIGATION THERAPY

for BURNS & WOUNDS

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In the treatment of burns particularly, the method has proved to be one of the most merciful aids to the alleviation of pain and the promotion of rapid healing. Our wounded in the Fighting Forces, and civilians injured on the Home Front, have reason to thank this revolutionary treatment by which they have been protected from the danger of septic infection, immobility and scarring have been minimised, and perfect healing achieved with the minimum of pain.

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FOR THE TERRIBLE BURNS AND WOUNDS
OF WAR; IT CAN DO EQUALY WELL FOR
SMALL BURNS AND INJURIES IN THE HOME.**

It is our aim, with your co-operation, to make the value of this treatment widely known to the public.

¹British Medical Journal (1941), Vol. II, p. 1, ff.

²British Medical Journal (1941), Vol. II, p. 46.

³Medical Press and Circular (1942), Vol. CCVIII, p. 360.

⁴The Hospital Treatment of Burns (1943), p. 31. E.M.S. Memorandum No. 8 (Revised). H.M.S.O. Edinburgh.

PATA

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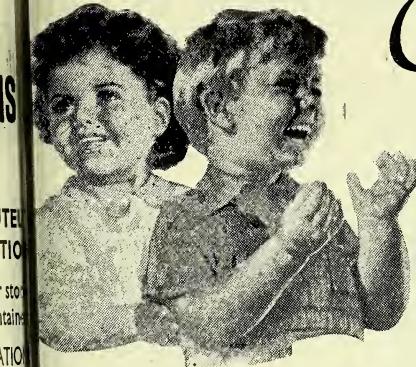
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" 1 oz.	1/5	11	+	2	11/3
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ANTI-COLIC RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

Ball Top, one-hole perforation, ensuring constant and steady flow.

Buffer shoulder protects baby's mouth.

Tab enables teat to be slipped over bottle in an instant with minimum handling.

MODERN in design and must be TRIED to be appreciated

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Fixed Retail Selling Price 6d. each
OBTAINABLE OF ALL WHOLESALERS

E. CANNON RUBBER MANUFACTURERS LTD., LONDON, N.17



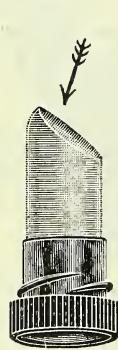
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- Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.

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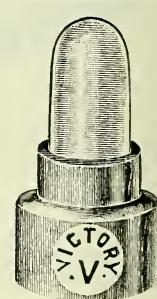
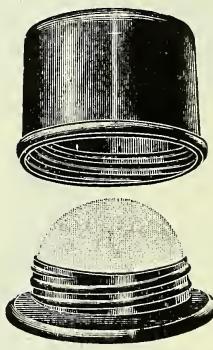
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Wood Case

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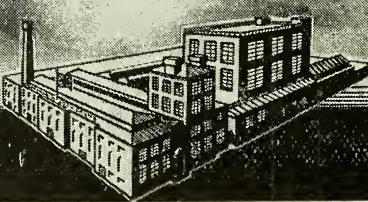
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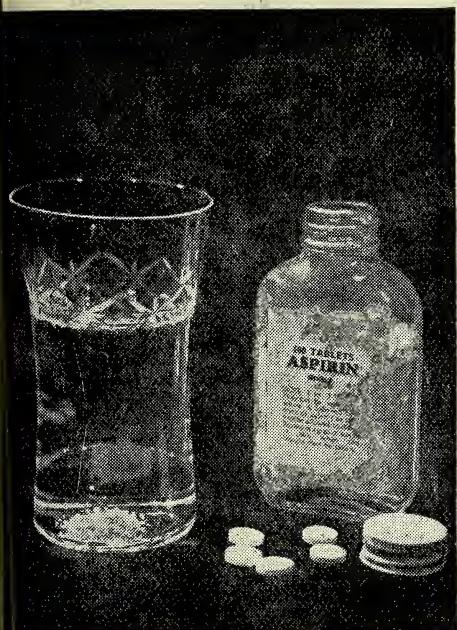
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RELIABLE
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50 years' service of
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**PLEASE ACCEPT ALL S.D.I. EMPTIES AND
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CVS-38

IN FAIRNESS TO YOU

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The Scientific Iron & Acid Tonic

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Your ② YEAST
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Tonic ④ CALCIUM
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The
Superior Tonic

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(including Tax)

Rich in medicinal and therapeutic
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Recommended by Doctors and
Nurses.

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Babies love it!
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.. NEVROIDS ..
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OCCASIONAL PILLS

THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY.
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WHY THE DEMAND FOR RHEUMAGIC

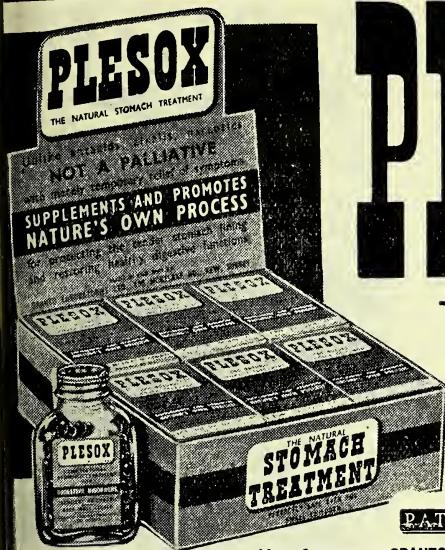
is RISING

The War effort made additional demands on the Nation's strength. Those prone to Rheumatism, Lum-bago, etc., require a reliable liniment to relieve suffering and enable them to carry on their work.

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Retail Prices: 1/5 & 3/4½ (including tax)
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New Distributors:

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The ethical mixture for the relief of ASTHMA and BRONCHITIS and other respiratory conditions

P.T.A.

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OVER 150 YEARS REPUTATION
KEARSLEY'S
THE ORIGINAL
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Good! it's MASON'S

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for the Manufacturing and Wholesale Trade only

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A credit to the Chemist's window, and a quick mover across his counter: this Glue has the strongest hold of any, AND STAYS SOFT IN THE JAR !!

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AND THE
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With Vitamins (A. 6,500 I.U., D. 400 I.U.
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The position is NOW SERIOUS

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Dettol Ointment

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Numerous case reports confirm its value in boils, impetigo, bed sores, herpes simplex, varicose and other ulcers, sycosis barbae and septic dermatitis.

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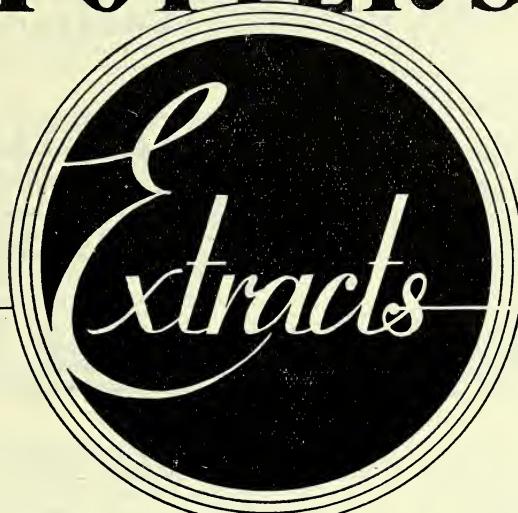
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NEWS OF THE WEEK

Allocation of War Factories.—An additional twenty-eight Government factories have been allocated by the Board of Trade for civilian production and export. The factories are situated in Yorkshire, Midlands, North-western and South-western areas, London, Wales and Scotland.

Containers Restrictions Revised.—The Minister of Supply has made the Control of Containers and Packaging (No. 4 General) Order, 1945, which came into force on December 10. This Order revokes all remakes in consolidated form with amendments the Control of Containers and Packaging (Nos. 1-3) Orders, 1944-45. Except as stated below, the effect of the Order is to remove all restrictions on the manufacture and use of containers and holders. The exceptions are: *Manufacture.* Tinplate, black-plate, etc., is issued, in sizes and types of containers and holders continue to be controlled, but tinplate is now allowed for the manufacture of all permitted containers. *Packaging.*—

Packaging continues to be controlled if done in metal or glass containers or holders.

Marking.—The restrictions on marking metal containers (other than collapsible tubes) and closures remain. B.S. Schedules Nos. 1012 (1942) and 1163 (1944) and parts of 1048 (1942) and their revisions and amendments are no longer statutorily enforced, but their non-statutory use is not affected. Copies of the Order (S.R. & O., 1945, No. 1509) may be obtained from H.M. Stationery Office, price twopence.

P.A.T.A. Council Election Result.—The enumeration of the voting papers for the election in the Manufacturers' Section took place on December 6, the poll being declared as follows: Horlicks, Ltd., 213; Foster-McClellan Co., 195; Macleans, Ltd., 178; T. Christy & Co., Ltd., 167; Newton, Chambers & Co., Ltd., 149; the first four candidates were, therefore, elected. Voting papers sent out, 348; returned, 235; disallowed, nil. There was no contest in the Wholesale Section, the following firms being

returned unopposed: Ayrton, Saunders & Co., Ltd.; Thos. McMullan & Co., Ltd.; Raimes, Clark & Co., Ltd.; Sangers, Ltd. In the Retail Section an additional nomination was received (on behalf of Mr. J. F. Watts, of Swinton). Mr. P. F. Rowsell, one of the retiring candidates, withdrew his candidature in order to avoid a contest in the Retail Section. Thus the three remaining retiring candidates (Messrs. S. W. Hague, W. S. Howells and T. Marns), together with Mr. Watts, were elected without opposition.

Birkenhead Lecture and Film.—Birkenhead and Wirral Pharmacists' Association met in Birkenhead on December 5 to hear an address on "Sulphonamides" by Mr. D. G. Ardley, followed by a film, "Chemists at Work."

No Late Closing at Christmas.—Claiming that shops have nothing to sell, and that to remain open would therefore be wasting fuel, Coalville, Leicester, Council has decided not to extend the shop-closing hour during the Christmas shopping period.

Yorkshire Public Pharmacists.—A meeting of the Yorkshire Branch of the Guild of Public Pharmacists, held in Leeds on December 1, was followed by a lecture by Mr. A. W. Lupton, M.C., M.Sc., on "Some Comments on the Valuation of Drugs." Later a celebration dinner was held—the first social meeting held by the Branch since the war.

Scottish Perfumery for Iceland.—Frozen eau de Cologne is part of a consignment of 50,000 bottles of Scottish-made perfume recently sent to Iceland by a Glasgow perfumer, Lieutenant Harold Muir, who claims that Scotland can capture a major share of the world's perfumery business. He has already sent consignments to Norway and Holland.

Employees' Publication.—The National Pharmaceutical Employees' Union has brought out a first number of "The Charterhouse News," a bulletin for pharmaceutical employees, priced at sixpence per copy, which it is proposed to publish at intervals. The issue contains a note on the Union's policy, an account of a meeting held in May to protest against the J.I.C. agreement, and other items.

Manchester Discussion.—A meeting of the Manchester Pharmaceutical Association and Branches of the National Pharmaceutical Union and Pharmaceutical Society, was held on November 15, Mr. G. I. Thomas in the chair. Mr. W. J. Tristram (chair-

man, Joint Pharmaceutical Service Committee) was the speaker. He dealt briefly with the general activities of the N.P.U. and its associated bodies before turning to the question of National Health Service. This, he said, was a problem of manifest difficulty and would be a severe test of the capacity of the Government. He was hopeful that the Minister would open negotiations soon, and indicate his policy in regard to the medical service. It was unlikely that he would introduce a Bill without consultation. Pharmacists must strengthen their hands and get the public behind them. A long discussion followed and Mr. Tristram had to reply to many questions. An enthusiastic vote of thanks was proposed by Mr. W. Wilkinson (president of the Association) and seconded by Mr. H. Brindle (chairman of the branch of the Society).

Penicillin Lecture in Glasgow.—Before introducing the speaker at a meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society, held in Glasgow on November 14, the chairman (Mr. Andrew Officer) announced that owing to exceptional circumstances, the secretary (Mr. A. B. Gilmour) had been constrained to resign, though he would continue to serve on the committee. Mr. Gilmour was thanked for his labours on behalf of members. Mr. T. Anderson, M.D., then gave an address on "Penicillin in the Treatment of Infectious Diseases." He described some of the research work that had been undertaken to produce organisms which prevented the growth of others. Penicillin, he said, must not be regarded as a panacea for all ills. In war-time deaths happened not so much from wound as from the infection that followed, and the virtue of penicillin was that it destroyed the bacteria that caused such infection. Dr. Anderson dealt with the method of giving penicillin to the patient, and indicated that intramuscular injection was the most favoured. He concluded with a description of the comparative values of penicillin and the sulphonamides. In reply to Mr. Colin Campbell, he pointed out that risk of contamination was so great that he would not advise the production of penicillin in retail pharmacies. Professor J. P. Todd (Royal Technical College), moving a vote of thanks, said members had heard one of the best lectures ever given to the branch. When an important remedy was to be tried out one of the first places the maker came to was Glasgow, and Dr. Anderson was the person chosen to try it out.

IRISH NEWS

Irish Chemists' Golf.—The Irish Chemists' Golfing Society held its nineteenth annual meeting in Dublin during November, Mr. A. Maher, Drogheda (captain), in the chair. The reports of the treasurer (Mr. J. Roche) and secretary (Mr. P. Fahey), showed the Society to be in a flourishing condition. Mr. A. W. Hughes, M.P.S.I., Dublin, was unanimously elected captain. Messrs. Roche and Fahey were unanimously re-elected treasurer and secretary respectively, with Messrs. P. C. Cahill and B. R. Smith as auditors. Two vacancies on the committee were filled by the election of Messrs. S. J. Savage and J. Daly.

Gaelic Social.—There was a strong Gaelic atmosphere at a musical entertainment and social held by the Chemists' G.A.A. Club in Dublin, on November 28. Mr. P. C. Cahill (chairman) presided, and the large attendance included Messrs. P. A. Brady (vice-president, Pharmaceutical Society of Ireland) and Lyall G. Smith (president, Irish Rug Association). The Golfing Society and Rugby Club were both well represented, while the G.A.A. Club itself and the Ladies' Camogie Club were present in full force. The chairman and Mr. Seamus Fox (M.C.) spoke Gaelic during the proceedings. Other speakers included Messrs. Brady and Lyall Smith. Messrs. T. Banks, C. Ward, T. Keefe, and T. Cosgrove assisted Mr. Fox in organising the function.

Eire Chemists' Camogie.—Miss Cora Gaffey presided at the annual meeting of the Pharmaceutical Chemists' Camogie Club held in Dublin recently, when satisfactory reports from the treasurer and secretary were received. The Club was complimented on the success it had attained during the year, when membership had increased by practically 100 per cent. The following officers were elected: *Chairman*, Miss Cora Gaffney, L.P.S.I.; *Vice-chairman*, Miss Maureen O'Sullivan; *Treasurer*, Miss Una Reilly; *Secretary*, Miss Frances Quinn, L.P.S.I.; *Assistant Secretary*, Miss Peggy Dillon; *Captain*, Miss Anna Dorrian; *vice-captain*, Miss Maeve Keaveney; *Junior Captain*, Miss Mary Foley; *Committee*, Messrs. V. O'Shea, Mona Lee, Betty Keane, S. N. Coleman, Messrs. S. Fox, P. Rosney, and C. Ward, L.P.S.I.

An Eire Pharmacist in Australia.—Acknowledging receipt of a complimentary copy of the Calendar of the Pharmaceutical Society of Ireland, Mr. Edward McC. Sul, Ph.C., Sydney, New South Wales,

wrote to the registrar: Although more than fifty years in Australia I still have a loving remembrance of the old times, and the old people, connected with the Pharmaceutical Society of Ireland. . . . I was an apprentice with Mr. William Hayes at 12 Grafton Street, Dublin, early in 1874, when in the front room over the shop the meetings were being held by those who succeeded in forming the Pharmaceutical Society of Ireland. I doubt very much if there is another person living who remembers those meetings, or who has been connected with Irish pharmacy for over seventy-one years. I have a perfect recollection of the Dublin pharmacies—wholesale and retail—and their proprietors and assistants of those years, and I sometimes wander in spirit amongst the old places, and see the old faces. (No. 12 Grafton Street is today the head office of Hayes, Conyngham & Robinson, Ltd.)

Eire Students' Council.—The annual meeting of the Representative Council of Pharmaceutical Students of Ireland was held recently in Dublin, Mr. Charles Ward, L.P.S.I., in the chair. The attendance included Messrs. J. K. Whelehan (president, Pharmaceutical Society of Ireland), P. A. Brady (vice-president), J. Tobin (vice-chairman, Students' Council), O. R. Cronin (record secretary), S. Fox, G. O'Connor, and J. J. Tierney, M.P.S.I. (first chairman of the Students' Council). Mr. Ward outlined work done during the year. As a result of negotiations the Council of the Society had improved the conditions for candidates while awaiting oral examinations, and installed improved lighting arrangements at the bicycle park. The Limerick Pharmaceutical Students' Association had been formed as a subsidiary body, and the chairman paid tribute to the work of Mr. Martin Pennington. The president of the Pharmaceutical Society and Mr. Brady then addressed the students. The treasurer's report was adopted. The newly elected Council, at a subsequent meeting, elected the following officers and committee: *Chairman*, Mr. Seamus Fox; *Vice-chairman*, Mr. Nicholas Scroope; *Correspondence Secretary*, Mr. Gerald O'Connor; *Record Secretary and Treasurer*, Mr. O. Richard Cronin; *Committee*, Miss Una O'Reilly, Messrs. John Roche, John McLoughlin, Brendan Kissane, and Martin Fahy. All communications should be sent to Mr. Gerald O'Connor, c/o The Pharmaceutical Society of Ireland.

OFFICIAL ANNOUNCEMENTS

Registered Post at Christmas.—An appeal has been made by the Post Office that the registration of parcels, packets and letters should be used sparingly during the Christmas season. Where it is essential, the registered packets should be posted well in advance.

Telephone to India.—A telephone service to India reopened for public business on December 3. It is available on week-days between 8.30 a.m. and 12.30 p.m., the charge for a three-minute call being £3, with a report charge, where applicable, of 4s.

Bristle Control.—The Ministry of Supply has notified the British Brush Manufacturers' Association that the Ministry is now willing to consider applications for licences to use 100 per cent. Indian bristles in hair-brushes for home and export. Existing restrictions in the use of bristles other than Indian are unaltered.

Soap-rationing Scheme.—During ration period 6, the soap coupons available are the two upright pairs of small squares numbered 21/22 and 23/24 on large square No. 6. In ration books R.B.1 and R.B.4, coupon number 21/22 is worth one ration and the coupon numbered 23/24 two rations of soap. In R.B.2, the two whole coupons are each worth two rations of soap.

Telephone to Norway and Belgium.—The telephone services to Norway and Belgium were reopened for commercial calls on December 7. The minimum charge for three-minute calls from places in England and Wales to Norway is 16s., with an additional charge of 2s. 6d. from places in Scotland, Northern Ireland and the Isle of Man. The corresponding charges to Belgium are 7s. and 2s. 6d.

Table Jellies.—The Minister of Food has decided to permit the resumption of manufacture of table jellies. Allocations of sugar on a basis of 60 per cent. of the usage in the twelve months ended June 30, 1939, will be issued in respect of the period commencing January 6, 1946. Manufacturers who have an established datum usage of raw material for the production of table jellies are invited to apply for licences to manufacture to Ministry of Food, Preserves Branch, T.O.B.2, Marston Road, Oxford.

Sweets Ration.—As announced in the lay Press, the sweets ration during ration period 6, which commenced on December 9, and ends on January 5, 1946, has been increased by 4 oz. The extra quantity is

being made available by increasing the personal points value of all D coupons valid within that ration period from one to two points each. No change has taken place in the personal points value of E coupons. The points value of chocolates and sweet remains at sixteen points per lb.

Manufacture of Patent Fuels.—The Minister of Labour and National Service has given notice that he proposes to make special regulations applying to factories in which the manufacture of patent fuel is carried on. Copies of the draft special regulations, which are entitled the "Patent Fuel Manufacture (Health and Welfare Special Regulations)," may be obtained from H.M. Stationery Office, price one penny, or post free, twopence. Objections to the draft regulations must be received by the Ministry on or before January 15, 1946.

Jugo-Slav Trading Eased.—Under Order made recently by the Treasury and Board of Trade, the provisions of the Trading With the Enemy Act, 1939, and Custodian Order, 1939, which remained in force after the liberation of Jugo-Slavia, have ceased to apply in respect of money and property accruing on or after December 3 to persons resident there. Money due before that date which has not been paid or held to the order of the Custodian remains payable to him. The Board of Trade points out that resumption of commercial relations with Jugo-Slavia presents difficulties, since banking channels between the two countries have not yet been restored; a further announcement will be made when such channels are again open.

Mails to Central Europe.—Registered and unregistered letters, letter packets, printed papers, including newspapers and periodicals, and commercial papers up to maximum weight of 4 lb., and samples up to a maximum weight of 1 lb., are now accepted for transmission by surface route to Czechoslovakia and Hungary. Business and financial communications to Hungary are restricted to ascertaining facts and exchanging information. Postage rates to both destinations are: For letters, 3d. for the first oz., 1½d. for each additional oz.; postcards, 2d.; printed papers, newspaper samples, etc., ½d. for 2 oz. (minimum for commercial papers 2½d., minimum for samples 1d.). Export-licensing and currency control regulations must be complied with and correspondence is not accepted for insurance or express delivery.

TOPICAL REFLECTIONS

A Proposed By-law

It is to be hoped that every member of the Pharmaceutical Society will read your trenchant analysis (p. 619) of the extraordinary proposal of the Council to standardise the addresses of candidates at Council elections. It is not clear whether friends of candidates will in all circumstances be prohibited from asking other people to vote for these candidates; but it is clear that, if the proposed by-law is passed, the candidates referred to must not be parties to the request. Associations which, like the North London Pharmaceutical Association, intend to adopt a definite system for electing candidates (p. 604) will have to be careful to keep within the law when it comes into force. Where will this craving for regimentation end? I should not be surprised if, when a candidate failed to comply with the by-law to the satisfaction of the Council, disqualification as a councillor was followed by a summons to appear before the Statutory Committee. Another turn might be given to the screw by censoring every advertisement of every registered pharmacist; one result would be that a member of the Society could not sit up for a borough council or any other public body without going cap in hand to Coombsbury Square. This insidious disease of forging and imposing shackles has been going on for several years past; if I am not mistaken, early symptoms of it were noticeable during the war of 1914-18. In view of the farcically small number of votes received from the branches on the proposal, the Council may well pause—as, in fact, it is pausing—to await further expressions of opinion. I hope that branch solutions, in a sufficient total, will show decided majority against the proposed by-law.

Industry and the State

Suggestions made in the preceding paragraph have their application in a larger field—the relation of industry to the State. A stimulating address at Manchester (616), the president of the Federation of British Industries has indicated with admirable clarity the duties of each party to the charge of functions that should be complementary. His emphasis on such points as efficiency in industrial management and "the highest standard of financial prudence" on the part of the Government is timely. While recognising that the control of industry implies responsibilities

to shareholders, workers and the public, and while not claiming that private enterprise has always been without blemish, he urged that "free rein must be given to qualities of initiative, adventure and risk-taking" that have "made the country great." A government may be described, in a rough analogy, as the steel framework round which a building is erected; it is in the complete structure that the skill of the architect and of the builder, exercised in freedom, have scope. The needless making of regulations is fraught with grave peril to initiative, adventure and risk-taking: people in contact with young workers are already beginning to note in them a surprising mental inertia. Perhaps, however, this inertia is not very surprising in adolescents who have never known any other condition than that of being "directed."

Conium

The introduction of conium as a medicine for internal use is narrated for the first time, to the best of my belief, by "Adest" (p. 621). In the supplement of Störck, referred to in the article, earlier names of the plant are mentioned; an illustration is also provided, though the artist who prepared it failed to indicate the characteristic spots on the stem plainly. English poets have availed themselves of the long-prevalent idea that hemlock was unsuitable for internal administration. Shakespeare made one of the witches in "Macbeth" enumerate among the ingredients of the cauldron in Act IV, Sc. i, "root of hemlock digg'd i' the dark." (Addressing the British Pharmaceutical Conference in 1933, Lord Macmillan compared this "witches' broth," as he called it, to some of the preparations of the first *Pharmacopoeia Londinensis*.) Keats, who received a medical education early in the nineteenth century, began his "Ode to a Nightingale" with the words: "My heart aches, and a drowsy numbness pains My sense, as though of hemlock I had drunk." In the eighteenth century Alleyne and Brookes, like Quincy and James, exercised caution in sanctioning the internal use of the drug. As your contributor indicates, the Viennese physician overdid his advocacy. On the other hand, he knew enough of pharmacy to mention that the extract might be harmed by excessive heat in evaporation, and enjoined watchfulness in preparing it. The "Ray" named in "Adest's" quotation is presumably the botanist of the name.

Xrayser

COMPANY NEWS

KELRO CHEMICAL CO., LTD. (P.C.)—Capital £2,000. Manufacturers of and dealers in chemicals, etc. William P. Robinson and Archibald W. Keeble, directors. R.O.: 23 Crabb Street, Rushden.

ROMNEY & PARKER, LTD. (P.C.)—Capital £500. Manufacturers of and dealers in beauty products, drugs, etc. Stanley S. Gibbons, director. R.O.: 1-5 Lawn Road Works, Lawn Road, London, N.W.3.

NOSTAX, LTD. (P.C.)—Capital £350. To acquire the formula of an inhalant from Anne V. Griffin, and to carry on a business of chemists, etc. Anne V. Griffin, Lionel A. Furst and Claude Mortleman, directors. R.O.: 5 Bournemouth Park Road, Southend-on-Sea.

C. E. BEVERIDGE & CO., LTD. (P.C.)—Capital £3,000. To acquire businesses of chemists carried on by Charles E. Beveridge at 7 Railway Street, Chatham, and Charles E. and Leslie E. Beveridge at 185 High Street, Gillingham. Charles E. Beveridge, M.P.S., Leslie E. Beveridge, M.P.S., and Blanche E. Beveridge, directors. R.O.: 7 Railway Street, Chatham.

EVANS SONS LESCHER & WEBB, LTD.—Shareholders have approved the changing of the company's name to Evans Medical Supplies, Ltd. (C. & D., November 17, p. 512).

COMTESSE LABORATORIES, LTD. (soaps and cosmetics), Comtesse Laboratories, Chatham Place, London, E.9.—Messrs. Bernard W. J. Pearce and Eric H. Johnson have been appointed to the board.

SOUTH AFRICAN DRUGGISTS, LTD.—Net profit for the year ended June 30 amounted to £82,241, against £102,724 in the previous year. Taxation amounted to £55,118 (£67,143). Final dividend on ordinary shares is 10 per cent., making 15 per cent. (same) for the year; forward, £216,327.

SOLIDOL CHEMICAL, LTD.—Directors' report for the year ended December 31, 1944, shows, after charges, a credit balance of £191; debit balance brought forward from previous period is £56,316; leaving a debit balance to be carried forward of £56,124. The directors report that for the year under review the company's trading showed a profit. The board has formulated a future programme, which embraces a wide export trade, and are confident that this will prove satisfactory. Sir Francis Caradoc Rose Price, Messrs. J. Cofman-Nicoresti, and Robert Tweedy Smith offer themselves for re-election.

LEGAL REPORTS

Dangerous Drugs Charge.—At Oxford, recently, James O'Brien was committed for trial at the City Quarter Sessions on a charge of obtaining, by false pretences, twelve $\frac{1}{4}$ -gr. morphine tablets from Mr. Fred Hill, M.P.S., at Worcester on April 14, and of being in possession of dangerous drugs.

Advertising-sign Test Case.—At the Justiciaries Appeal Court, Glasgow, recently, a successful appeal was made by Macduff & Co., Ltd., 21 Bothwell Street, Glasgow, against a conviction obtained against them in the Central police court, Glasgow, earlier in the year, on a charge of exhibiting two advertising signs without having first obtained a licence. The Lord Justice Clerk giving a majority opinion, said that agreed facts had been presented to describe the situation which arose when a railway advertisement was carried on embankments and by a bridge over a street, more or less, at right angles, and visible to persons on the street approaching the bridge. He quoted the relevant section of the Glasgow Act as follows—"An advertisement sign exhibited within any railway station or upon any wall or other property of a railway company except an advertisement sign exhibited upon any portion of the surface of such wall or property fronting any street." Dealing with the question whether the case fell "within the exception contained within the exception," his Lordship said that the large hoardings were not exhibited "upon the surface" of anything, as they projected vertically from the surface of the embankments. The first of the two concurrent conditions was therefore not satisfied. It therefore, it was the portion of the surface on which the sign was exhibited that must front the street, the question in this case was whether the side of the railway embankment fronted the street. His Lordship did not think it did. Lord Mackay concurred in this view. Lord Sorn dissented.

COMING EVENTS

Tuesday, December 18

AGRICULTURAL GROUP, SOCIETY OF CHEMICAL INDUSTRY, Chemistry lecture theatre, Imperial College, London, S.W.7, at 2.30 p.m. Dr. A. L. Provan on "The Chemist and Milk Production." Mr. E. V. Anderson on "The Chemist in Milk Processing and Manufacture."

Sunday, December 23

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Hazel Grove, Disley and String. Meet at Cathedral, 8.55 a.m. Tram to Hazel Grove.

MARRIAGES

FORBES—MACLENNAN.—At the Georgic, Glasgow, on December 3, John Fitchie Forbes, M.P.S., 191 Kirkintilloch Road, Bishopbriggs, Glasgow, to Helen MacLennan, Hamilton.

Golden Wedding.—**GRAHAM—ISHERWOOD.**—At Crosshill, Glasgow, on December 1895, David Graham, chemist and druggist, Singapore, to Mary Isherwood. Temporary address: Stranmore Hotel, Troon.

DEATHS

BERNARD.—On November 28, Mr. Alfred Benjamin Bernard, M.P.S., High Street, Newmarket, aged sixty-four.

BREADNER.—On November 21, Mr. Douglas Lester Breadner, 112 Frankwell, Newbury. Mr. Breadner qualified in 1924.

HERBERT.—On November 28, Mr. Auron Herbert, M.P.S., Newbury Street Pharmacy, Gillingham, Dorset, aged sixty-seven.

MARWOOD.—On November 22, Mr. Jack Marwood, M.P.S., 5 Lombard Street, Ilham, Lancs. Mr. Marwood qualified in 1940.

NICOLL.—Suddenly, at 90 Mayfield Road, Edinburgh, on November 27, Mrs. Margaret Nicoll, widow of the late Mr. Robert Nicoll, M.P.S., Edinburgh.

SHARER.—On November 15, Mr. John Alexander Shearer, 55 Forest Road, Abernethy, aged sixty-six.

WATT.—As briefly announced on December 8, p. 614, Mr. James Watt, LL.D., chairman of T. & H. Smith, Ltd., manufacturing chemists, Edinburgh, 11. Dr. Watt was born in Edinburgh and received early education at the Royal High School. He won many prizes before proceeding to the University, where he studied law. In 1889 he became managing clerk to John Blair, a partner in the Edinburgh firm of solicitors, Davidson & Syme, of which firm he himself later became the chief partner. His Doctorate of Laws was given in July 1925. Dr. Watt became treasurer of the Royal Society of Edinburgh, chairman of the Council of Edinburgh University Settlement, chairman of the committee of management of the Hospital for Diseases of Women, Edinburgh. For six years he was acting-president of the Graduates' Association of Edinburgh University.

PERSONALITIES

MR. J. L. HIRST, M.P.S., has been re-elected to the management subcommittee of the Liverpool Technical College.

SIR ALEXANDER FLEMING, discoverer of penicillin, who visited Liège University on December 3 and inspected a new biochemistry laboratory there, was presented by the Burgomaster with the Liberation medal.

PROFESSOR ERIC K. RIDEAL, M.B.E., F.R.S., professor of colloid science, University of Cambridge, is to succeed Sir Henry Dale, O.M., F.R.S., on September 30, 1946, as Fullerian professor of chemistry in the Royal Institution and director of the Davy Faraday Research Laboratory. Sir Henry Dale is seventy years of age.

MR. THOMAS A. GIBSON, Ph.C., 73 Victoria Street, Belfast, who was elected president of the Ulster Chemists' Association recently, served his apprenticeship with Mr. H. F. Moore, Ph.C., 134 Royal Avenue, Belfast, where he was employed from 1921 until 1927. He left there and went to Harmur, Ltd., Ann Street, Belfast, qualifying in 1929. In 1931 he started on his own account, taking over the business of Mr. Sam McLoughlin, Ph.C., Victoria Street, Belfast.

WILLS

MR. SUSMAN PORTER, 71 Scrutton Street, Finsbury, London, E.C., chemical plumber (S. Porter & Co., tank makers and lead coil manufacturers), left £17,906, with net personality £17,829.

MR. CHARLES GORDON FERGUSSON, 10 West Heath Court, Golder's Green, London, N.W.8, a director of the Nitrate Corporation of Chile, left personal estate in Great Britain valued at £49,145.

THE RT. HON. HARCOURT JOHNSTONE, P.C., M.P. (Secretary, Department of Overseas Trade from 1940 till his death) left estate in Great Britain valued at £26,515, with net personality £20,912.

MR. JOSEPH ARTHUR RILEY, Ph.C., 415 Pinner Road, North Harrow, Middlesex, formerly for thirty years in business at Shepherd's Bush Road, Hammersmith, left £7,532, with net personality £6,476.

LIEUTENANT-COLONEL GILBERT FARADAY COLLETT, D.S.O., Battledown Gates, Hales Road, Cheltenham, formerly a director of J. M. Collett & Co., Ltd., chemical manufacturers, Gloucester, left £27,754, with net personality £23,461.

THE WEEK IN PARLIAMENT

by a Member of the Press Gallery, House of Commons

MR. GLOSSOP asked the President of the Board of Trade, on December 5, whether he was aware that there was only one chemist in Market Weighton, Yorks; whether he would reconsider his refusal to grant an application by Selles, Ltd., Beverley, to reopen a chemist's shop in premises which, prior to the outbreak of war, had been used for that purpose for upwards of 100 years; and whether he was aware that the only other chemists locally were at Pocklington and Beverley, eight and ten miles respectively from Market Weighton. MR. ELLIS SMITH (Parliamentary Secretary to the Board of Trade): The local price regulation committee has informed me that a licence is now being granted.

Vote of Censure Debate

Repeated allegations of Government handicaps on trade and industry were made in the debate on the Opposition's vote of censure on the Government, on December 5, for what was described as a preoccupation with nationalisation schemes instead of tackling present problems.

MR. OLIVER LYTTELTON, who moved the vote of censure, spoke of the "labyrinthine controls" and regulations that were stifling all attempts to get the country on its feet, to get its trade moving, its people's energies renewed, and enterprise released. On the other hand, the crying necessity to re-establish some standard of consumption, to fill the shops with goods, and to restore some choice to the consumer was not being met. The country was faced with the severest economic crisis that had ever assailed any nation in history, and to meet it the vital energies of the nation must be liberated. At every turn in the industrial field the impulse to press forward was being checked by a mass of regulations and theories, and by an attempt to solve the multitudinous problems of industry by too centralised direction.

He spoke of the "Whitehall twilight" over industry and of the "comprehensive armoury" in the Government's hands to prevent industry doing things. The weapons were the control of raw materials—in some cases necessary, though in others they hoped it would be relaxed—the control of capital issues and foreign exchange, the control and allocation of labour, and, finally, the nationalisation schemes for all the services on which industry relied.

The Government was going to ensure that industry breathed "only through the iron lung of State control." All down the line, the ineptitude, inefficiency, and slowness of the Government's present policy were making themselves felt. The chief shortage was that of workers—due to the palsied handling of demobilisation. On the question of building controls, he spoke of the "labyrinthine rigmarole and abracadabra" through which it was necessary to go before getting a building licence to make those small additions, alterations or extensions to plant, to the foundation of machines, which were necessary if the export trade was to be got going. "First, it is necessary to get a Government department to sponsor the project—let us suppose it is the Ministry of Supply. Then an approach is made to the Regional Controller of that Ministry. He probably makes an investigation and, after a time, he refers to headquarters, and then the matter goes to the Regional Board and on to the Board of Trade. Then the Ministry of Town and Country Planning intervenes, or is likely to, and the Ministry of Transport and the Ministry of Agriculture are others which may have to be consulted. Then the project has to go to Panel A and, after considerable inquiry, is sent back to the original Ministry. It is then inspected by the Controller of Building Contracts in that Ministry, who sends it on to the Ministry of Works. Finally, it will go into the Ministry's regional office and, on the assumption that the original applicants are still alive, they will be issued with a building licence."

SIR STAFFORD CRIPPS (President of the Board of Trade), speaking later, said the Government's policy was, during the transitional period when civilian industries were getting themselves back to full production to do its utmost to start up again the export trade—"even though this may mean keeping our home markets to some extent depleted. We will ease up the shortages in this country as rapidly as is consistent with laying firm foundations for our future export trade." At present, he said, Britain was exporting 50 per cent. of her 1938 volume of goods. He added that there were, in all manufacturing, five times as many men working for the home market as for export. The Government was aiming at full employment. There would be no pool of unwanted labour, and without that

pool it became essential to plan the use to which labour and materials were put in peace-time as it was in war.

He denied, amid interruptions, that more controls were being imposed or that the intensity of war-time control was persisting. He would cite practically all controls on export, he said, except on items such as food and textiles. The licensing of retail business and the reopening of retail businesses—"which is causing a good deal of trouble, judging from my correspondence from Members of the House"—was being maintained at the present moment to implement an express undertaking given by the Coalition Government to those who were called up and had to close or abandon their shops. "In a number of other commodities, as, for instance, paper and synthetic rubber, we are arranging their use by permit in order that they may be used in ordinary manufacture." He replied to the charge on factory alterations by saying it was ridiculous to give a list of departments through which an application had to "meander up and down Whitehall."

On the direction of labour, he said the Government did not intend to direct labour as a permanent matter, but in the transition it might be necessary to continue certain controls for a certain period of time. "But we must rely ultimately on the power of the different industries to attract labour; and other controls, dealing with raw materials prices and so on, can be used to limit undesirable or unnecessary manufacture, while there is, as we hope there always will be, a shortage of labour in this country."

SIR ARNOLD GRIDLEY declared that he had met leading business men from the important industrial centres of the country. He found that what was a few weeks ago a spirit of determined optimism and a desire to proceed with new developments as swiftly as possible, had changed into a spirit of frustration and despondency. Industry could not promise goods to overseas customers, and the result was that the country was losing a great deal of business, much of which was going to the United States. He referred to a "nerve-shattering" announcement on the radio—"nail polish will be on sale in the shops."

MR. CHURCHILL, on December 6, declared: "I assert that the revival of this country is at this moment being stopped, staled, even strangled by the resolve of the Board of Trade, followed by other departments. Why can they not realise that the pulse and volume of national productive

ingenuity and progress is overwhelmingly greater and far more fertile than anything that can be produced by Government officials or party planners." The President of the Board of Trade, he said, was trying to teach all the trades in the country how they should get back their business. He was rapidly gaining half-knowledge over a vast field. He wished to hold everything gripped and frozen until he could form a general view and reconcile it with the orthodox tenets of his Socialist religion. There was not a single peace-time manufactory in Britain that would be producing 100 per cent. by the middle of 1946, and many would be far short of 60 and 70 per cent. at that date. This had its bearing on Britain's power to reoccupy or retain the markets she had long held.

MR. ATTLEE (the Prime Minister) said the rate of demobilisation had increased to 12,000 a day, and that rate was not ending with the end of the year. Class B releases were today between 10 and 15 per cent. of the Class A. There had been a steady increase of labour and output in the country.

MR. ROBERT BOOTHBY asked how many key men were getting out of the Forces today—key men upon whom the industrial and economic recovery of the country mainly depended. He suggested that the Government should alter the Class B conditions so as to quadruple the rate, and should call a halt for two years in the call-up of apprentices. The present licensing system, he declared, was designed to throttle, not stimulate, civilian production. Entry of any new man into industry was prevented when practically all licences were granted to people in relation to their 1938 trade. On export controls, he said it was almost a physical impossibility to export goods from this country.

BRIGADIER PRIOR-PALMER declared that before we could get the production of this country on its legs, we must raise the production per man-hour somehow.

CAPTAIN PETER THORNEYCROFT said Sir Stafford Cripps could preach austerity at home, but not in the export markets. Other countries were not going to tighten their belts while we put through a Socialist experiment here.

MR. HERBERT MORRISON, when he wound up the debate, outlined the Government's legislative programme, saying there would be included a Bill to control investments. The Government was not going to be in the 1931 situation again, he said, facing an economic blizzard and lacking essential powers.

TRADE NOTES

Seasonable Specialities.—Aspax Chemical Manufacturers, Ltd., 32 Shaftesbury Avenue, London, W.1, offer Aspax analgesic tablets, Coffpax bronchial tablets, and Skinpax medicated ointment as suitable items for current sales. Orders may be placed direct or through the usual wholesalers.

Exempt from Tax.—The chemical department of Charles Zimmermann & Co., Ltd. (temporary address, 75A High Street, Ruislip, Middlesex), announces that Kadamysin, hitherto known as Asthmolysin, is now exempt from purchase tax. Tax already paid on retail stocks cannot be refunded.

Price List Ready Shortly.—L. Light & Co., Ltd., Old Bowry Laboratories, Wraysbury, Bucks, are issuing an enlarged price list during January 1946. The list will include about 750 organic research chemicals, of which 150 have never previously been available in this country. Interested pharmacists should write to the manufacturers for a copy, enclosing a penny stamp to comply with the regulations.

Agent Appointed.—In the course of a tour of India, Mr. R. G. Pattinson (Bourjois, Ltd., 36 Grove Road, Sutton, Surrey) appointed Mr. J. B. McMillan to succeed the late Mr. J. E. Philpott, who had charge of the company's interests in that territory for fifteen years. Mr. Pattinson is now visiting the company's factory and offices in Sydney, Australia, and expects to return to this country towards the end of January.

Business Changes

MOLCARN, LTD., merchants, have removed to 65 London Wall, London, E.C.2 (Telephone: Monarch 9001-03).

MR. B. A. PROBERT has been appointed manager of the chemical and pharmaceutical departments of Retco (Reciprocal Trading Corporation), Ltd., 91-93 Charterhouse Street, London, E.C.1.

MR. GEOFFREY SHAW, B.Pharm. (London), Ph.C., has resigned a post as laboratory chemist to become first assistant pharmacist at the Royal Hospital, Sheffield. Mr. Shaw graduated in 1944, passing the Ph.C. examination from Nottingham University the same year, after taking up an open exhibition in 1942, and being awarded a studentship tenable at the University. In 1943 he was Herbarium bronze medallist of the Pharmaceutical Society, and in 1943 and 1944 was first Stiles prizeman of the Sheffield Branch of the Society.

Christmas Holidays.—The following drug-trade concerns will be closed from Friday evening, December 21, until Thursday morning, December 27:—

CARNEGIE CHEMICALS (WELWYN), LTD., and CARNEGIE QUININE WORKS, LTD., Welwyn Garden City, Herts (urgent messages by telephone to Welwyn 132).

CROOKES LABORATORIES (BRITISH COLLOIDS, LTD.), Gorst Road, Park Royal, London, N.W.10 (emergency day and night service from Martindale (Wholesale), Ltd., 50 Wigmore Street, London, W.1. Telephone: (day-time) Welbeck 0171; (after 8 p.m.): Welbeck 5555).

C. R. HARKER, STAGG & MORGAN, LTD., Emmott Street, London, E.1.

MAY & BAKER, LTD., and PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex. (Urgent supplies from John Bell & Croyden, 50 Wigmore Street, London, W.1. Telephone: Welbeck 5555).

T. & H. SMITH, LTD., 4 Carlos Place Grosvenor Square, London, N.W.1.

The following will be closed from Saturday morning, December 22, until Thursday morning, December 27:—

BAYER PRODUCTS, LTD., Africa House Kingsway, London, W.C.2. (Emergency orders to Martindale (Wholesale), Ltd., 50 Wigmore Street, W.1. Telephone: Welbeck 0171.)

BURROUGHS WELLCOME & CO., 12 Red Lion Square, London, W.C.1, and 183-9, Euston Road, London, N.W.1 (Emergency staff at Red Lion Square on December 24 from 9 a.m. to 4 p.m.)

CIBA, LTD., The Laboratories, Horsham, Sussex.

RICHARD DANIEL & SON, LTD., Derby
JOHNSON AGENCIES (PROPRIETARIES) LTD., Clarendon Works, Clarendon Road Croydon, Surrey.

PARKE, DAVIS & CO., 50 Beak Street, London, W.1.

The following will be closed on December 24, 25 and 26, and (for stocktaking) on December 27, 28 and 29:—

DAKIN BROS., LTD., and WRIGHT, LAYMAN & UMLEY, LTD., 44 Southwark Street, London, S.E.1.

LOFTHOUSE & SALTMER, LTD., Hull (on urgent medical orders will be attended to).

In last week's announcement regarding Christmas holidays the days were reverse for the dates December 21 and 27. The Christmas closing of the six firms affected is from Friday evening, December 21, to Thursday morning, December 27.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETINGS of the Council of the Pharmaceutical Society of Great Britain were held in London on December 4 and 5, the president (Mr. J. C. Young) in the chair.

Tuesday's Session

THE minutes of a meeting of the Joint committee on a National Pharmaceutical Service, held on November 16, were received. The Committee proposed to approach other organisations than those represented on the Committee, with a view to a combined delegation being arranged to meet the Minister of Health. A letter was received from the Minister of Health in which the Society was asked to recommend its members to take certain action, which it was agreed to do. The letter was in the following terms:—

SIR,—I am directed by the Minister of Health to seek the co-operation of the Society in discouraging the indiscriminate use of internal tampons. Although medical opinion is admittedly not unanimous in agreeing that these products are actually injurious, most doctors consider that their use by young girls and married women is undesirable. This view was taken by a committee of the Royal College of Obstetricians and Gynaecologists which, in 1944, investigated the use of vaginal tampons for menstruation. Consequently, with a view to ensuring that the public are made aware of the use of these articles is not without risk in certain cases, the department made representations to the Association of Sanitary Towel Manufacturers, as the result of which all members of that Association who manufacture packages of internal tampons for sale to the public agreed to print one of the following alternative notices on the outside of such packages:—

(A) "No tampon is suitable for all women. Tampons should not be used by unmarried women or young girls unless recommended by a doctor."

(B) ".....s are not suitable for all women. They should not be used by unmarried women or young girls unless recommended by a doctor."

The space left under (B) would be filled by the trade name of the tampons manufactured by the firm using this alternative wording.) It has come to the Minister's notice that tampons, which are manufactured by a non-member of the Association, are still on sale to the public in packages that do not bear notice, or words to the like effect, despite representations to the manufacturers. I am to inquire whether the Society would be willing to urge their members both to advise customers of the sense of the agreed notice, and to refuse to stock brands which do not bear such a notice on their wrappings. A letter in similar terms has been sent to the National Pharmaceutical Society.

(Signed) S. F. WILKINSON.

A letter from the Royal Technical College, Glasgow, conveyed a resolution of the Committee of the School of Pharmacy, viewing with concern the decline in numbers attending the pharmacy classes and the lack of reservation of pharmacy students, and calling attention to the danger that will arise in the event of a serious epidemic unless an adequate supply of pharmacists is maintained. It was agreed to reply pointing out that representations had been made for the reservation of pharmacy students under peace-time conditions, that the reservation of pharmacy students would not relieve the situation, as they would be called up for military service on qualification, and that provision to deal with an epidemic had been made by an arrangement for the use of pharmacists serving in H.M. Forces. Correspondence from the British Standards Institution asked for comments upon a draft of a British Standards Specification on hypodermic syringes; a reply containing certain observations was approved. Bournemouth Branch conveyed a resolution urging the Council to press for the immediate demobilisation of all pharmacists in the Services not fully employed in pharmaceutical work. It was agreed to reply that no useful purpose would be served by such action.

Wednesday's Proceedings

THE PRESIDENT welcomed to the Council as a new member Mr. Thomas Reid, who filled a vacancy caused by the death of Mr. J. T. Appleton. Mr. Reid, he said, was an employee on the retail side, a branch of pharmacy not strongly represented on the Council; they would look for his help on general as well as sectional matters.

It was announced that the Hanbury Medal had been awarded to Professor H. H. Janssonius, Holland, and the Harrison Memorial Lecture medal to Mr. Reginald Robert Bennett.

Charitable Funds

MR. J. F. McNEAL submitted the minutes of the Benevolent Fund and War-aid Committee and moved their adoption. The Committee recommended that Christmas gifts of £5 should be given to each of seventy-five annuitants, and of £1 1s. to each of eleven orphans. The amount received for the War-aid Fund to November 30 was £39,616, the total expenditure to the same date being £8,873. News had been received of the release of eight prisoners.

of war and nine internees who had been in Japanese hands, and it was recommended that arrangements should be made to entertain them.

The Middlesbrough Pharmaceutical Committee had indicated that it was in favour of continuing the Penny-in-the-£ scheme for the benefit of the Benevolent Fund.

MR. F. G. WELLS said that the Middlesex Pharmaceutical Committee had decided to recommend to its contractors that the Penny-in-the-£ scheme should be continued for the next twelve months as a "victory and thanksgiving" fund. He was sure that the majority of the contractors would agree. The minutes were adopted.

Apprenticeship Conditions

MR. C. W. MAPLETHORPE submitted the minutes of the Education Committee and moved their adoption. The Committee had agreed to make no recommendation for altering the apprenticeship concessions to ex-Service men, and had agreed that the concessions should apply to those who had served in the armed forces of any of the United Nations. Applications from regular soldiers would be considered on their merits. An application had been received from a company in Glasgow for the approval of twelve of their pharmacies for the articled pupilage of one pupil, and the Committee had agreed that approval should be given.

MR. A. A. MELDRUM maintained that regular soldiers should receive the same concessions in regard to apprenticeship as other ex-Service men, and that it was invidious to make any distinction. MR. MAPLETHORPE said the Committee had not been unanimous on this matter, but it was felt that the regular soldier joined the Army as a career, and it was questionable whether, when he went on to the Reserve and decided to take up pharmacy, he should receive any concession. Such applications would be few in number, and it would be better for each to be considered on its merits.

MR. H. M. HIRST objected to one pupil being apprenticed to twelve pharmacies. According to the conditions of apprenticeship, he contended, a pupil must be apprenticed to one man only, not to twelve. This view was supported by MR. R. M. MURRAY, who suggested that the matter should be referred back to the Committee. MR. MAPLETHORPE said that apprentices were apprenticed to a recognised seller of poisons, which in this case was the company.

It was reported that eight concessions had been granted during November in

respect of subjects of the Intermediate examination, and four in respect of subjects of the Chemist and Druggist Qualifying examination. A letter was received from the British Pharmaceutical Students' Association on apprenticeship and it was agreed that the Committee could not see its way to recommend the Council to make any alteration at present in the examination regulations.

No Change in Organisation

The minutes of the Establishment, Finance, Publications and Organisation Committees were received and approved. MR. F. G. WELLS, in presenting the minutes of the Organisation Committee, said the Committee was of opinion that circumstances did not warrant the necessary time and attention being devoted to the question of revising the branch system, which in general was satisfactory. Consideration of the status of the system would be undertaken in the proposed review of the Society's constitution, which it was hoped would be undertaken shortly. Alterations of branch areas ought to be dealt with, as in the past, on the initiative of the members or branches desiring them. It was appreciated that some branches were not conveniently situated for members to attend their meetings, but if particulars were sent to the Organisation Committee every help would be given. The Committee recommended that MR. J. ROSS-MANSELL should be informed that the Council felt that a proposal to establish employee sections of branches was not in the interests of the Society, though they would be glad to consider any other way of helping employees' organisations. Adoption of the minutes of the Organisation Committee concluded the public business.

The report of the Law Committee, presented by THE CHAIRMAN (Sir Malcolm Delevingne), showed that the premises of 894 authorised sellers, 204 listed sellers and 481 drug-store proprietors and similar traders had been visited by the Society's inspectors and agents. Nine cases of alleged infringements were considered and appropriate action taken.

Publications Committee

The report submitted by THE CHAIRMAN (Mr. W. Deacon) stated that the Committee had considered the possibility of issuing the seven Supplements of the Codex in one volume. The Council agreed to this being done, and to the suggested price of 21s. for the book.

A HISTORY AND A FACSIMILE

WE have received a copy of "Pharmacopœia Londinensis of 1618: Reproduced in Facsimile: With a Historical Introduction by George Urdang" Schuman's (Historical Medicine and Science), 20 East 70th Street, New York, U.S.A.: \$12.00.

This sumptuous volume of 299 pages 11 $\frac{1}{2}$ in. by 8 in., with foreword by Mr. Edward Porter Alexander) has been prepared under the auspices of the State Historical Society of Wisconsin and by means of a grant from the Hollister Pharmaceutical Fund, established in 1914. A previous publication on a similar scale is the facsimile, issued in 1927, of the Pharmacopœia Augustana 1564. The author of the history accompanying the present facsimile, Dr. George Urdang, was formerly editor of the "Pharmazeutische Zeitung" and director of the Society for the History of Pharmacy in Berlin; he was invited to Madison, Wisconsin, in 1939, and has been appointed director of the American Institute of the History of Pharmacy. The copy of the Pharmacopœia produced is the one

in the British Museum. Mention of "the e" will suffice to indicate that it is the issue, soon suppressed, of May 1618 as has been reproduced, not the longered issue of December 1618. Very few copies of the earlier book are known, whereas the British Museum had five or six of successor last time we consulted the appropriate volume of its General Catalogue. In concluding an article on pharmacopœias in our Annual Special Issue of 1927 wrote: "The foregoing pages . . . by means exhaust the interest of a subject

of the first importance. We trust that they will stimulate the collation of documents at present waiting the touch of the trained investigator." The volume before us furnishes a notable result of the kind of scholarship we had in mind; and in his introduction Dr. Urdang quotes from that article the passage in which those words occur. The distinction we then drew by inference between an historical article and a fully documented history becomes abundantly clear in perusing the present study.

The scheme of Dr. Urdang's survey is analytical. After an introductory section he discusses the background of the events leading to the preparation of this Pharmacopœia, the original plan of 1589, and the two issues of 1618; in the final section he draws certain conclusions. At the outset the author points out a salient distinction between this book and the Continental pharmacopœias, formularies or dispensatories that preceded it. They "were enforced only for the comparatively small territories of a city-republic or some mun-

cipality," whereas "this guide was to become the standard . . . for all of England." Further, "it was looked forward to by the representatives of medicine and pharmacy of western Europe." The latter statement may give some readers pause; it must be remembered, however, that the new Pharmacopœia was printed in Latin, the language then, and for long afterwards, the principal medium of communication between educated people throughout the Continent. The preparation of the book was first discussed on June 25, 1585. (Dr.



OLEA SIMPLICIA PER EXPRESSIONEM. MES.

OLEVM AMYGDALARVM
DVLCIVM.

¶ Amygdalarum dulcium confricatarum q. v. teratur optimæ, & exprimatur oleum sine vicaloris.

OLEVM AMYGDALARVM
AMARARVM, MES.

Eodem modo fit vt Amygdalarum dulcium.

OLEVM AVELLANARVM,
MES.

¶ Acellanarum mundatarum quantitatem sufficientem, teratur optimæ, & relinquatur per horas quinque vel sex in Balneo tepido, deinde torculari exprimatur oleum.

Q

Et

*In the original a blank page preceded this page.

[205]*

Urdang has not only pieced together the available records with practised skill but has also given excellent translations of the relevant Latin entries.) About four years later the work was put in hand by assigning the different classes of medicament to various physicians; and at a meeting held on December 23, 1589, each of those responsible presented written recommendations ("in scriptis representabant . . ."). As the committee consisted of twenty-three members and an unspecified number of Royal physicians, it is to be presumed that some of the monographs were taken as read. Re-examination of the proposals was entrusted to six of these colleagues. At this stage of his study the author briefly outlines the contents of the pharmacopœias in common use in the sixteenth century. The only point we have space to mention is that even "the most progressive" of these, the Augsburg Pharmacopœia, refused recognition to the innovations introduced by Paracelsus and his followers. Without detracting from the individuality of the work of Paracelsus, Dr. Urdang assigns the credit of bringing "the 'chemical' concept" into European therapy to Arnaldus de Villanova (1235-1312), a Spanish physician who taught at Montpellier, Paris and Barcelona.

After an Interval

Mayerne's share in the compilation of the first *Pharmacopœia Londinensis* is well known. Of those who preceded him, Dr. Urdang accords the chief place to Thomas Muffett (1553-1604), a man of wide learning whose career bears some resemblance to Mayerne's. The long gap between the start of the work in 1589 and its resumption in 1614 remains unexplained. From this latter year to the date of publication there seems to have been no loss of time. Difficulties in the printing trade (increased, perhaps, by imperfect co-ordination between the College committee and their publisher) had the result that although the proclamation of James I commanding apothecaries to observe the standards of the *Pharmacopœia* was dated April 26, 1618, and the book was published on the following May 7, the proclamation does not appear in all of the few copies that have survived. The explanation is, no doubt, that the printing began either before the proclamation was received or before it was "released" for inclusion, and that consequently some copies of the book had been distributed before this feature could be incorporated.

The elaborate analysis of the contents of the two 1618 London *Pharmacopœias*,

occupying forty-nine pages, is a typical example of accomplished scholarship. We can only note a few points. Simples increased from 680 in the first book to 1,190 in the second; compounded medicines from 712 to 963. Dr. Urdang has devoted particular attention to the animal and mineral *materia medica*, and has marked with an asterisk each substance traceable to Dioscorides. As was pointed out in our column three years ago (*C. & D.*, 1942, II, 228) the *herbal* of Dioscorides was for about fifteen centuries the chief authority of *materia medica*; and we may express the hope that a similar analysis of the vegetable simples in P.L. 1618 will one day be undertaken. Students of pharmaceutical history—and indeed every reader—will find a treasury of information in the 260 footnotes. Many of them are miniature biographies sometimes compressed into a single sentence; in only one case, we believe, has the author had to report a blank in the published biographical records.

A Judicious Summary

The conclusions drawn on pp. 77-81 of the book should receive general assent. The author's findings include an exculpation of the printer, blamed by successive commentators during more than three centuries. The defence might even have been pressed a little further by quoting from the voluminous list of errata in the facsimile. While, for instance, "Absinthite" may be a printer's error for "Absinthites," it is very unlikely that any compositor would substitute "vncias octo" for "vncias vnam" in a formula not containing the former words. Dr. Urdang's claim that "it was in all probability the young element within the college, supported, may be, by malcontent medical practitioners from without, which was responsible for the changes made [in the December issue]" is ingenious but hardly convincing. As he remarks, they "certainly missed formulas which they were in the habit of prescribing." This objection has been made in respect of several pharmacopœias. Probably, however, experienced physicians would be quite as likely to protest as would their younger colleagues. It may be that an additional circumstance, the hostility between London physicians and apothecaries, was a factor in causing the enlargement of the December issue of the *Pharmacopœia*.

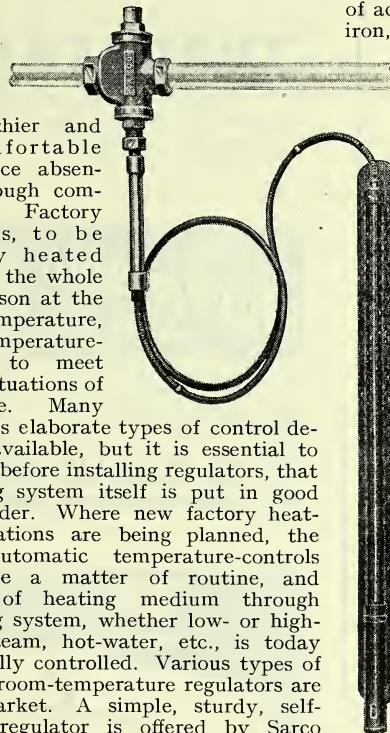
It only remains to commend this study and facsimile to the attention of pharmaceutical librarians.

MACHINERY AND PLANT NOTES

Room-temperature Regulation

AUTOMATIC control applied to factory heating installations makes possible the maintenance of desired conditions with a maximum of operating economy. In addi-

Sarco Room
Temperature
Regulator,
outside view



tion, healthier and more comfortable rooms reduce absenteeism through common colds. Factory buildings, to be uniformly heated throughout the whole heating season at the correct temperature, must be temperature-controlled to meet outside fluctuations of temperature. Many

more or less elaborate types of control devices are available, but it is essential to make sure, before installing regulators, that the heating system itself is put in good working order. Where new factory heating installations are being planned, the use of automatic temperature-controls has become a matter of routine, and the flow of heating medium through the heating system, whether low- or high-pressure steam, hot-water, etc., is today automatically controlled. Various types of automatic room-temperature regulators are in the market. A simple, sturdy, self-operating regulator is offered by Sarco thermostats, Ltd., Cheltenham. It consists of a regulating valve, fitted into the steam or hot-water supply pipeline to the heating appliances (radiators, overhead heating pipes, air-heater batteries, or unit heaters).

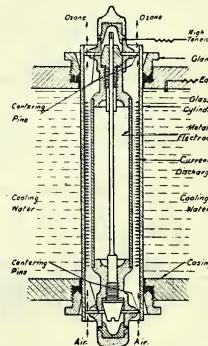
A temperature-sensitive thermostat bulb, which is connected to the regulating valve with a length of flexible tubing, is fixed in a place where it can detect and react to the slightest change in air temperature. The Sarco regulating valve opens and closes gradually, according to the demand, and passes out the amount of heating medium required to keep the room temperature steady. The importance and value of this in factory work hardly need be emphasised.

Steam Jet Acid Elevators

FOR lifting acids into storage tanks, transferring acids or other corrosive liquids from one tank or vat to another, or continuously circulating corrosive liquors, a special steam jet acid elevator, constructed of acid-resisting metal, or if desired of cast iron, gunmetal, etc., is available from Meldrums, Ltd., Timperley, nr. Manchester. For lifting acids from storage tanks to an overhead supply tank, a length of lead pipe is fixed in a storage tank to which the elevator, say of silicon iron, is attached over the top of the tank, having an iron steam supply pipe with valve with a small length of lead piping in the circuit to prevent corrosion of the steam valve, the other end of the elevator being fitted with the overhead discharge pipe, also say of lead. The elevators are supplied in seven standard sizes, the smallest having a discharge rate of 200 gall. per hour.

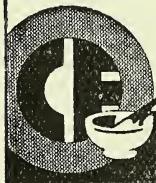
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LATEST principles of sterilisation of water with ozone are well indicated in plant made under Van der Made patent by the Paterson Engineering Co., Ltd., Windsor House, Kingsway, London, W.C.2. The unit consists essentially of a metal tubular electrode inside an outer glass cylinder with air flowing between the narrow concentric space, about 1.25 m.m. wide. The metal tube is connected to a high-tension current so that a silent discharge passes across the space and converts part of the oxygen (O_2) in the air to ozone (O_3), the ozonised air being mixed with the water in a vertical mixing chamber. The outer glass cylinder is surrounded by cooling water, and the different units, to any desired number, are fixed horizontally.



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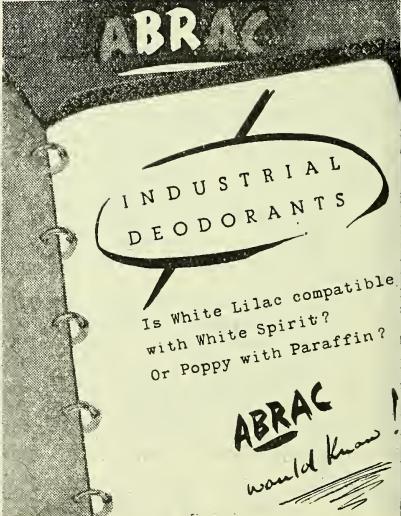
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Improving Factory Conditions

ALWAYS a social document of some importance, the recently issued annual report of the Chief Inspector of Factories, which deals with the year 1944, and is summarised on p. 655, contains matter and comments of more than usual interest and value. During the year to which the report refers, the "black-out" was, of course, still in operation, and it is possibly as a result of that depressing necessity in war-time industry that one trend, to which the report draws attention, came about. This development—the introduction of "positive colour" into the interior of factories—gained great force during 1944 and has shown no signs, so far as we know, of diminishing since the black-out was lifted. Assuming, as it seems fair to assume, that the innovation provides evidence of a permanent revolt against "aesthetic starvation," great advances may be expected in post-war years in the internal decoration of factories. The movement started mainly in canteens, and, in the words of the report, went on "perhaps to the drawing office and finally to the shops." Work done in one branch of industry, namely by the recruitment and training department of the Cotton Board, which staged an exhibition showing the application of restful colours in factories, is likely to be emulated in other industries. The outcome may be improvements in hitherto unsuspected directions, such as in the mental and moral tone of factory workers, and in diminished accidents.

Side by side with improved aesthetic conditions, there is noted in the report a change of attitude on the part of the community towards factory life. The influence of women in industry has, in particular, introduced new and higher standards in working conditions, and, above all, a realisation that human problems must be taken into account if industrial output is to be kept up.

It is therefore not surprising to learn in another part of the report that the number of fatal accidents reported in 1944 was nearly 20 per cent. lower than in the previous twelve months. Non-fatal accidents also declined, although to a less significant extent (9.1 per cent.). Cases of industrial poisoning reached new low levels, lead poisoning showing a further decline to forty-one cases in 1944, against forty-six in the previous year, 265 ten years earlier, and 1,058 in the first year of the century. Eight cases of anthrax were reported, against seventeen cases in 1943, the decrease having remained approximately at a uniform annual rate since 1910. On the other hand, there was a further sharp increase in cases of epitheliomatus ulceration, due no doubt to the development of industry in new directions, particularly in the fields of plastics and coal-tar products. The true significance of the Chief Medical Inspector's report, however, is less in the statistics which he gives than in his comments on the increasing attention that is being given to all aspects of industrial health, including research, provision of grants, issue of a diploma, and the special training of nurses for industrial employment. The fruit of all this effort will be cumulative, and it may be anticipated that future reports on conditions in factories, especially on the health side, will be much more encouraging even than the one which has just appeared. Pharmacists will note with satisfaction the references to assistance given by their colleagues to various industrial health panels.

Factories as "Labs"

Another problem, also relating to factories, was raised by speakers at a recent conference organised by the British Association on Scientific Research and Industrial

Planning. They pointed out—with too much justice, perhaps—that the translation of a laboratory process into an industrial routine is not always carried out according to the same scientific methods as the researches which led up to the development. The suggested remedy was the training of production managers in the scientific approach, combined with a calling-in of consultative scientific advisers.

A Notable Study

ON pp. 647-48 of this issue will be found a review of a notable book published for the State Historical Society of Wisconsin, Madison, U.S.A. It includes a facsimile of the British Museum copy of the first *Pharmacopeia Londinensis*, a work published in May 1618 and replaced by an enlarged and corrected version in the following December. The facsimile is preceded by a scholarly historical study by Dr. George Urdang, a refugee from Nazi oppression, who was appointed director of the American Institute of the History of Pharmacy at Madison in 1939. The necessary research has been undertaken with the aid of a grant from the Hollister Pharmaceutical Fund of the Wisconsin Historical Society, a fund established in 1914 and already bearing fruit in certain publications, one of which was edited by the late Dr. Edward Kremers. Those of our readers who have kept their copies of our Annual Special Issue of 1927 may like to be reminded that we there reproduced (p. 815) on a reduced scale the title-pages of both the London *Pharmacopeias* of 1618 and a page from the December version. We note with interest that in his introduction Dr. Urdang quotes a passage from the article mentioned, ending with the hope that trained investigators would take up the serious study of documents of the kind we cited. Our article did not, of course, profess to be more than a *parergon*, a task carried out at week-ends and in any other hours that could occasionally be spared. We are happy to find that our hope has been fulfilled with such a brilliant result.

We desire to suggest that a widening knowledge of the Hollister Pharmaceutical Fund and its results may stimulate generous benefactors in our own country to inaug-

urate something on parallel lines. We are not forgetting that in recent years a few cultured medical men have published historical studies containing several facts of interest to pharmacists; but such facts are necessarily incidental. What we have in mind is specific endowments for studies in the history of pharmacy, undertaken by scholars of high standing. Such studies would involve the exploration of sources at present little known.

Mathematics for Industry

DURING the war, mathematics became increasingly harnessed to the needs of industry and research. To assist industry and the Ministries, the Department of Scientific and Industrial Research has accordingly set up a Mathematics Division in the National Physical Laboratory.

While the professional mathematician is satisfied with the results of such calculations expressed in terms of a formula, involving a number of variables, those who have to use the results in practice have often neither the time nor the ability to work out such a complicated formula. It becomes necessary either to compute the value of the formula for all likely values of the variables, or to invent a mechanism which, by simply setting in accordance with these values, automatically and mechanically produces the answer. Industry and research have similar complicated problems, the solution of which is often extremely laborious. In recent years there has been considerable development in mechanical computing, using calculating machines, and it is to undertake this work for industrial concerns, as well as Government departments, that the Mathematics Division has been set up. The Division, which is now open for inquiries, is at present organised in three sections dealing respectively with computation, statistics, and the development of calculating machines. Services will also be available in applied mathematics.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to present conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D. 17 Argyle Street, Bath Somerset.

MIND OVER MEDICINE

by J. Ross-Mansell, B.Sc., M.P.S.

IT is well known that a good deal of medicine prescribed is pharmacologically inert, though effective enough because of the factor of hope or because of the patient's faith in medicine. Every doctor knows how difficult it is to get good results from medication in which patients have no confidence, and it is common knowledge that results are better from drugs given with the patient's awareness of their intended effect. Quite often, satisfactory results are produced from inert drugs by simply stating the desired and expected effect of their administration, and it has been found that in certain circumstances a hypodermic injection of water can bring the same relief from pain as if one of morphine had been given. William Osler, a famous physician, once said that drugs are often prescribed where the patient's attitude, or the attitude of his family, makes it expedient, in order to create in him the buoyant expectancy which is the real curative agent.

Psychology v. Drugs

On the other hand, the psychological effect of treatment has often been exaggerated to the extent that the use of any drug has been discouraged, and emphasis put on the part that mind can play in the treatment of disease. The literature and monumental remains of all the ancient civilisations—Persia, India, China, Greece, Rome—reveal a widespread knowledge of the therapeutic value of suggestion. It was Colón who wrote:—

The smallest hurts sometimes increase and rage

More than all art of physic can assuage;
Sometimes the fury of the worst disease
The hand by gentle stroking will appease.

There is a bas-relief from Thebes in the British Museum which has been interpreted as representing a physician hypnotising a patient. According to the Ebers Papyrus the "laying on of hands" formed an important part of the Egyptian medical practice so long ago as 1552 B.C. It is known that a similar method of healing was used by the priests of Chaldea and those of the famous temples of Health. Asclepiades of Bithynia, who won considerable fame at Rome as a physician, systematically used psychological methods in the treatment of certain diseases. Writers such as Seneca, Plautius and Martial mention mysterious processes of manipulation used instead of drugs to

induce sleep. These and other evidences are early manifestations of tendencies that are clearly discernible in modern civilisation.

Petrus Pomponatius, a 16th-century philosopher, seeking to prove that diseases could be cured without drugs, was the first, so far as is known, to suggest the theory that a sort of magnetic fluid existed in specially gifted individuals. Those so endowed could employ the force of the imagination and will to affect the blood and their spirits, and thus produce the intended effect by means of an "evaporation" thrown outwards. John Baptist van Helmont, a celebrated disciple of Paracelsus, and a person to whom medical science owes a great deal, also described this "invisible fluid" produced and directed by the influence of the human will. Sir Kenelm Digby and others published a curious little book in 1658 giving the histories of a large number of cases cured without drugs of any sort and simply by "magnetism."

The "Royal Touch"

During the Middle Ages it was the custom for those suffering from certain disorders to come to the king and receive the "Royal touch." Edward the Confessor was the first to institute this practice, which was accompanied by an elaborate ritual. The régime was not abandoned until the 18th century, when it was regarded with disfavour by the reigning House of Hanover. A celebrated London surgeon (Wiseman) wrote: "I myself have been an eyewitness of many thousands of cures performed by His Majesty's touch alone, without any assistance of medicine or surgery, and those, many of them, such as had tired out the endeavours of able surgeons before they came hither. I must needs profess that what I write will little more than show the weakness of our ability when compared with His Majesty's, who cureth more in one year than all the surgeons of London have done in an Age." The virtue of the "Royal touch" was finally brought into doubt by the wonderful success of a man named Valentine Greatrakes, who, in the 17th century, began "laying on hands," and achieved such a measure of success that the Government had great difficulty in persuading the masses that Greatrakes was not of Royal blood. The Chirurgical Society of London investigated Greatrakes' "cures" and gave it as their considered opinion that

he healed "by virtue of some mysterious sanative contagion in his body."

Franz Anton Mesmer, a native of Switzerland, next occupied the interest of Western Europe by the number of miraculous cures he achieved. His cure consisted in touching the patient with an iron rod, through which he claimed the magnetic force flowed from his body to that of the patient. Mesmer held that there was in Nature a universal magnetic force, which he called "animal magnetism," and which had a powerful therapeutic effect when properly applied. He denounced the use of drugs.

In the early part of the 19th century there suddenly appeared another rather obscure person whose name was soon to become a household word. He was Elijah Perkins, a Connecticut blacksmith, who conceived the notion of curing disease by means of a strange pair of tongs manufactured by himself, one prong of which was made of steel and the other of brass. The tongs were called "tractors," and were applied to the body of the patient in the region affected by the disease, the body being stroked in a downward direction for a period of ten minutes. To whatever extent it may seem incredible in this day and age, people flocked to Perkins from far and near in order to be treated by him. It was not very long before the system of "healing" became known as "Perkinism," and "practitioners" were soon treating patients in every country in the world. Treatment centres and even hospitals were opened by the "Perkinsites" and the fame of the "tractors" spread to all the corners of the globe. In Europe alone nearly two million cures were claimed, and the medical profession, as well as scientific circles, were at their wits' ends to explain the phenomenon. Finally a London doctor (Haygarth), convinced that the real virtue of the cures was vested in the mind, belief and imagination of the patients rather than in the "tractors," and that the cures were the results of induced mental states instead of residing in the metallic properties of the steel and brass prongs, set out to prove his point. He accordingly had a pair of tractors made out of wood but painted to resemble the genuine Perkins' "tractors."

Perkinism Exploded

The results were described as follows: "He accordingly formed pieces of wood into the shape of the tractors and with much assumed pomp and ceremony applied them to a number of sick persons who had been previously prepared to expect something

extraordinary. The effects were found to be amazing. Obstinate pains in the limbs were suddenly cured, joints that had long been immovable were restored to motion, and, in short, except the renewal of lost parts or the change in mechanical structure, nothing seemed beyond their power to accomplish." The exposure of this experiment, and the general acceptance of the explanation of the phenomena, caused "Perkinism" to die out rapidly. It seems hardly possible today that it should have caused the furore it did, or that scientific men of all countries could have been so puzzled by it.

The Blue Glass Cure

The tractors, however, were not the last of such cures. The latter part of the century was marked by another craze—the "blue glass" cure. W. W. Atkinson, in his book "Mind and Body," relates how General Pleasonton, a well-known and prominent citizen of Philadelphia, announced his discovery that the rays of the sun, passing through the medium of blue glass, possessed a wonderful therapeutic value. "The idea fired the public imagination at once, and the General's book met with a huge sale. Everyone, seemingly began to experiment with the blue glass rays. Windows were fitted with blue glass panes, and the patients sat so that the sun's rays might fall upon them after passing through the blue panes. Wonderful cures were reported from all directions, the results of 'Perkinism' being duplicated in almost every detail. Bedridden people threw away their blankets and walked again. Even cripples reported cures, and many chronic and 'incurable' cases were healed. The interest developed into a 'craze,' and glass factories were working overtime to keep pace with the ever-growing demand. It was freely predicted that the day of the physician was over, and that 'blue glass' was the panacea for which mankind had been so patiently waiting." Suddenly however, and for no apparent reason, the craze died out.

Vitaminised Diet.—A "general purposes" meal is described in "Business Week" (U.S.A.): The multipurpose meal is a mixture of precooked, dehydrated flaked lima beans, dehydrated soya grits, potatoes, cabbage, parsley, tomatoes, onions and leeks, with a blend of seventeen flavouring ingredients such as paprika, garlic powder, onion powder, sweet basil and bay leaf. Vitamins A, B₁, B₂, and niacin and calcium and iron are added.

CHIEF FACTORY INSPECTOR'S REPORT

THE annual report of the Chief Inspector of Factories (Sir Wilfrid Garrett) for 1944 (Cmd. 6698, H.M. Stationery Office, price 6s. 6d.) gives a full account of the work of the factory inspectorate during the year, and looks ahead to the reconstruction problems confronting the Factory and Welfare Department. It calls attention to great changes brought about by the war in industrial conditions and to deterioration in machinery, plant, and buildings caused by absence of upkeep, the scrapping of old machines, and introduction of new plant and processes on an enormous scale.

New Outlook

Drawing attention to a change of attitude on the part of the community towards factory conditions of work, Sir Wilfrid writes: "Perhaps greatest of all is the change of outlook of all interested parties during the war years. Largely through the influx of women into industry, a new standard in regard to the conditions of employment has come into existence. Managements are realising that, if the conditions of full employment are implemented, there will be competition for labour, and that the best will go where conditions are good. The older industries will therefore be handicapped, and we must face the fact that, with the present priorities for building material and labour, it may take years to fit rebuilding of old factories without which modern conditions cannot be fully attained. In the meantime, however, much can be done to overcome the deterioration of the war years.

"The new outlook on labour or personnel management is an outcome of this new attitude. Under the influence of production committees, many works committees are being established, and the workers are claiming and obtaining a greater voice in the control of the conditions of their work. The closer collaboration between management, trade unions and the workers on the floor of the shop is pointing to a new era when the workers will exercise effective supervision over the conditions of their employment. Can we develop towards the idea that a factory is more than a place to work in? A factory is a place where goods are made, and they must be made economically and profitably or we will get neither goods nor wages; but also we must consider that a factory is a place where people spend one-third of their working lives and must, therefore, be so run that

the well-being of the worker is secured. The development of these ideas will mean that, while inspectors must continue their police duties without which the general standard throughout the country will fall, the technical and advisory side of their work will become more and more important. It is a pity that to this I must add a word of warning. All that I have said above was said almost in so many words at the end of the last war, and was forgotten in the intervening years, leaving the inspectors with little support in these matters. Can we see that it does not occur again?"

Colour in Factories

One aspect of the changed attitude is the greater attention given to introducing colour into the interiors of factories. The motive for this development is to be found, says the report, in "a deep revolt against the aesthetic starvation imposed by unrelieved war work. The revolt finds its outlet not only in works music, but equally in decoration. Directed to an increasing degree by the advice of the British Colour Council, it has started mainly in the canteens, gone on perhaps to the drawing office, and finally reached the shops." There is today a real prospect that the smoke-stained background of walls and ceilings, floors, machines and fittings, such as derive from the early days of the industrial revolution, will be superseded by something more in keeping with modern psychological and aesthetic conceptions. Reports from many inspectors record not only considerable positive evidences of this movement, but a wide and interesting range of as yet unproved potential and secondary benefits, ranging from improved mental and moral tone of the workers to reductions in the number of industrial accidents.

Continued Decline in Accidents

"The number of fatal accidents reported in 1944 was 1,003, against 1,220 in 1943—a fall of 17.8 per cent. The number of non-fatal accidents fell by 9.1 per cent.—from 309,924 to 281,578. On the basis of the best estimates that can be made of the numbers of workers employed in works that are subject to the Factories Act (other than docks, ships and building and engineering sites), the approximate accident rates per 1,000 persons employed fell from 1943 to 1944 as follows: Males aged eighteen and over, from fifty-three to fifty-one; males under eighteen, from fifty-eight to

fifty-five; females aged eighteen and over, from twenty-eight to twenty-five; females under eighteen, from twenty-one to twenty. The decrease in accidents is attributed to: (1) Decrease in total man-hours of exposure to risk; (2) relief from strain and monotony; (3) increased skill and experience among workers, particularly among women in industry for the period of the war; and (4) propaganda on accident prevention.

Industrial Health

The report of the Senior Medical Inspector of Factories is given as a separate chapter in the report. Dr. Merewether points out that cases of industrial gassing, industrial poisoning and industrial lung diseases are indications of failure at some point, and that, in contrast with the general run of accidents, they involve "subtle, insidious and relentless" forces which manifest themselves in diseases at various intervals after their impact. An inevitable inference is, therefore, that for each recorded case, other persons to an unknown total are affected to a lesser extent by the

same occupational hazards as have caused the recorded cases. More and not less attention must therefore be paid to eliminating occupational disease and, although various conditions have pointed to the need, the bulk of the work is of a character that can only be carried out in peace-time conditions. Unless unhealthy industries are made healthy, they may languish from lack of labour. A wide range of problems has been considered by specialist advisory panels set up to deal with specific subjects such as industrial dermatitis, and it is pointed out that the dermatitis panel collaborated with a special subcommittee of the Pharmaceutical Society, to consider the possible inclusion in the British Pharmacopoeia of suitable formulas for "barrier" preparations; experimental work is now in progress. The Pharmaceutical Society has also collaborated with the ophthalmological panel in determining the most suitable type of eye drops for general use in industry, and the names of Professor Berry and Mr. C. H. Sykes (chief pharmacist, London Hospital) are mentioned in this connexion.

APPRENTICES IN NORTHERN IRELAND

IMPORTANT recommendations for the training of apprentices for trade and industry in Northern Ireland are contained in the report, recently published, of a Joint Committee set up by the Minister of Education. The Committee recommends that, during the first year of employment, all apprentices should be released on one part day per week for attendance at day classes appropriate to their trade or profession. Day classes should be held between 8.30 a.m. and 6 p.m., and should permit of attendance for at least four hours of tuition weekly. Apprentices whose release is such as to permit of attendance at day classes for at least four but less than six hours should be obliged to attend at evening classes for whatever period is needed to bring the weekly total of tuition hours to six.

At the end of the first year, it should be made possible to terminate the day release of all who are deemed to be in a trade or profession for which they are unfitted; following such termination, any obligation of attendance at evening classes which may have been imposed should be removed. The consideration of fitness or unfitness, and the adjudication in each case, should be a matter for the relevant advisory committee. Similar arrangements should operate during the second year, but, at the end of the period, obligation to attend

evening classes should cease. Apprentices who reach the third year of the course of training should be released for full-time attendance at day classes over a continuous period of weeks (say twenty-one). At the end of the third year of the training day release should cease for all but those who show signs of exceptional ability; those who obtain extension of day release should, during each of their fourth and fifth years, be released for a further continuous period (say twenty-one weeks) of full-time attendance at day classes.

In particular circumstances, the Committee suggests, exceptions may have to be made to the general scheme. Apprentices of a rural district might, for instance, be given full release on an equivalent number of working days, or, if travel facilities were available, might be released before the completion of a half day's work in order to permit of attendance at a day class for four hours' tuition. The Committee recommends that the pay of apprentices during all periods of release should be met in full by the employers. Inequality of sacrifice must be avoided, and those employers who are compelled to release apprentices before the completion of a half-day's work, or in any other way to incur substantial loss of service outside that necessitated by the general scheme, might receive compensation.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the National Pharmaceutical Union and Chemists' Defence Association were held in London on November 27 and 28, Mr. E. A. Brocklehurst in the chair. THE CHAIRMAN welcomed Mr. Philip Varley, Blackpool, who had been elected to represent the Northwestern Area, Division 1, on the Executive. The Executive adopted in silence a resolution of sympathy with Mrs. Piper, Ipswich, on her recent bereavement.

Goods in Short Supply

The secretary's report, dealing with investigations into shortages of dressings, liquid paraffin, and sanitary towels, was adopted. Despite Departmental assurances to the contrary, supplies of a number of dressings and in particular of cotton-wool available to wholesale distributors were stated to be still insufficient to meet essential needs. Action had been taken to overcome within a reasonable period the acute shortage of sanitary towels. Further representations had been made to the Ministry of Supply on liquid paraffin supplies, and it was understood the Department was in close touch with the Ministry of Fuel and Power on the matter. A letter from the White Oils Distributors Committee (representing primary distributors) requested that the attention of members should be drawn to the statutory prohibition against obtaining, selling or using liquid paraffin for other than medicinal purposes, and it was agreed that the fact should again be brought to the attention of members. The Distribution Committee was asked to take steps to publicise the statutory restrictions to non-pharmaceutical distributors of liquid paraffin. An approach to the British Medical Association was also agreed upon.

In response to an inquiry from the National Chamber of Trade, the Executive affirmed its decision to support steps to cure amendment of the Shops Act, so as to fix the "general closing hour" at 6 p.m., with 7.30 p.m. on the late day. A resolution from the Leeds Branch, asking that steps should be taken to secure administration of the Shops Acts as under the Factories Act, was not adopted.

Purchase Tax and Other Problems

Problems that would arise from removal of purchase tax from goods distributed through pharmaceutical channels were further reviewed, and it was agreed that con-

tact on the matter should be renewed with the Departments concerned.

In response to a request from the Minister of Health it was agreed to recommend members to co-operate in discouraging the indiscriminate use of vaginal tampons. Members of the Association of Sanitary Towel Manufacturers, marketing tampons for sale to the public, were reported to have agreed, at the request of the Department, to mark sales packages with standard wording indicating that tampons are not suitable for all women and should not be used by unmarried women or young girls unless recommended by a doctor. The Executive urged members to advise customers accordingly, and not to stock brands that did not bear such a notice on their wrappings.

MR. A. R. MELHUISH presented the report of the Central Committee. Reference was made in the report to the National Health Insurance dispensing fee for penicillin creams and ointments having been agreed at 3s. 4d. The proceedings at the meeting of the Joint Committee on a National Pharmaceutical Service held on November 16 were reported. A report on discussions with representatives of the Council of the Pharmaceutical Society on matters of mutual interest made it clear that, although approval of the conditions under which practical training would be given must now be sought by the employer before an apprentice could be registered with the Society, an opinion as to the likelihood of approval being granted might be obtained in advance.

The heavy and unjustifiable charges made by certain manufacturers and wholesalers for packing boxes and cartons was the subject of a resolution from the Leeds Branch, and it was agreed that all possible action should be taken to secure withdrawal of the practice.

Chemists' Defence Association

At a meeting of the directors of the Chemists' Defence Association held on November 27, MR. P. VARLEY was elected to the board. Settlement of a claim arising out of a sale of carbon tetrachloride capsules for treatment of fluke in cattle was confirmed at a total expenditure of £408. The directors instructed that a further warning should be issued to members against the dangers inherent in the use of the drug in treatment of cattle, with a recommendation that the capsules should not be sold for that purpose without

warning the customer that he used them at his own risk. Other settlements approved included payment in respect of damage to customers' clothing; a claim arising out of a customer's fall over a weighing machine; and cases of damage to vehicles caused by cycling errand boys. Twenty-four claims were left in the hands of the secretary.

Chemists' Mutual Insurance

The twenty-third annual meeting of the C.M.I. Co., Ltd., was held on November 27. The annual report, presented by the chair-

man, testified to steady progress maintained by the company, and expressed thanks to members for loyal support. Reserves stood at £50,000 in excess of the statutory reserves. The report and statement of accounts, balance sheet and auditors' report were adopted, and Messrs. West and Drake were re-elected *Auditor*. The re-election of the retiring director and election of Mr. P. Varley as a director were agreed on the motion of Mr. H. Martin, Christchurch, seconded by Mr. A. E. BREAKSPEAR, Maidenhead.

I.C.I. TEES-SIDE DEVELOPMENT

As part of a post-war development programme, Imperial Chemical Industries, Ltd., have bought more than 3,500 acres of the Wilton estate, North-east Yorkshire, three miles from Middlesbrough. The estate is to be developed during the next five years or so for the large-scale production of heavy organic chemicals from oil and coal. There will also be installations for the production of sulphuric acid, an electrolytic chlorine-caustic soda plant, and a vacuum salt plant. Space and facilities will be made available for the manufacture of new products developed as a result of research. The capital expenditure involved during the period is estimated at £10,000,000. The enterprise is the greatest single project so far announced by British industry.

It will be possible for the corporation to develop on the site the heavy organic side of the British chemical industry, on a scale adequate to national needs, and to employ to the best advantage the latest advances in research and the most modern knowledge of industrial planning, technical requirements, housing for workers, and recreational amenities. To ensure that the works in particular, and the estate as a whole, are laid out to the best advantage, the services of Mr. G. A. Jellicoe (president, Institute of Landscape Architects) have been secured.

Approved in 1944

The enterprise was initiated in April 1944, with the knowledge and approval of Government departments concerned. It lies in a "development area" to which the Government is eager to attract new industries, and its full development should make a great contribution to the prosperity of Tees-side, particularly of the people of Middlesbrough, Stockton, Redcar, Saltburn, Guisborough, and the towns and villages

of the Cleveland Hills, from which much of the requisite labour will be drawn. When in full operation, the project is expected to give employment to over 10,000 persons. A labour force of about 3,000 people will be required for construction and development.

Modern organic chemical industry demands little more basic raw material than coal or oil, salt, water and air. Permutations and combinations of these serve to produce raw materials for almost other manufacturing industries. At the Weston estate ample salt is available, and adequate quantities of coal will be obtained from the Durham coalfield. The large amount of cooling water necessary will be available from the Tees estuary, and the Tees Conservancy contemplates establishing deep water docks little more than a mile away thus facilitating the entry of oil and shipment of manufactured products. Road and rail access is also available. The site has a frontage of 3,250 yards to a trunk road on its northern side; on the south side there is another main road, which provides a route for long-distance traffic going to the south and west without the necessity of passing through Middlesbrough or any other urban centre. On the north side there will be rail connexions to the L.N.E.R. and to the deep-water docks.

Russian Cosmic Ray.—A dispatch from Moscow records that, in a specially constructed laboratory nearly 10,000 ft. above sea level in the Alagoz mountains of Armenia, Russian scientists have developed a "cosmic ray" possessing special properties. The leader of the scientific expedition stated that a strong magnetic field, created by a 30-ton magnet, made possible the separation of component parts of the rays and measurement of their energies. One component was broken up into charged particles, similar to protons.

JERSEY UNDER THE NAZIS

by Basil C. de Guerin

UPPLEMENTING an article on wartime pharmacy in Jersey by Mr. P. R. J. Roberts (*C. & D.*, June 2, p. 556), further details have been given the writer by Mr. Philip Le Quesne, M.P.S., chairman of the emergency chemists' pool, who also acted as Textile Controller and was in charge of the Poor Law administration of the island. On the formation of the pool, which was composed of sixteen registered members of the profession and others connected with (excluding any business without a qualified manager), each chemist deposited £100 and received an equal share of goods imported from France. The system was not satisfactory, however, as it resulted in the largest business receiving only the same amount of goods as the smallest. The basic location was therefore changed to the number of customers registered at each shop for soap and saccharin. Supplies were liberal enough at first. Later, as the weary years wore on, France itself began to feel the shortage, and buying became more difficult. Communications between the islands suffered as the sieved blockade of the Channel tightened until, after D-day, all supplies ceased, and chemists had to rely upon such accumulation of stocks as they had in reserve.

Cross Supplies

These were soon liquidated, and it was only possible for each chemist to carry on a "shadow" pharmacy, until the advent of the Red Cross ship "Vega" in the early days of 1945. Even with this welcome relief, the absence of drugs, antiseptics, dressings and every normal requirement of

trade would have compelled chemists to close down altogether had not liberation arrived when it did. As an instance of the state of affairs, the writer was told that the stock of one of the largest pharmacies on the island was valued at Christmas 1944 at less than £50, and this included a considerable amount of locally-gathered Carrageen. Sugar was, of course, one of the articles the restrictions on which affected the trade, and as a substitute most chemists used saccharin in a solution of Irish moss or Carrageen. This was found to be quite satisfactory for cough mixtures and emulsions. Gathering the seaweed, which fortunately grows in profusion on the coasts of the Channel Islands, was a chance in itself, and its washing, drying and various forms of preparation became

a thriving industry (*C. & D.*, December 1, p. 587). Fine specimens of the prepared moss are still to be seen, and large quantities were used during the German occupation. Supplies were available at 5s. per lb. wholesale, for retail at 6s. per lb.

Necessity, the Mother . . .

Allocations of dripping for ointment-making were made when possible by the local authorities, as petroleum jelly and other bases were, of course, unobtainable. The question of rancidity was not capable of being considered, as there was no alternative to its use. Spirit, too, was non-existent officially, and in many instances substitute tinctures were made when raw materials were secured by maceration with weak brandy (obtained at exorbitant prices on the black market) or with water, and there was no question of standardisation. Bottles were soon a great problem, and appeals were constantly made in the local newspapers for empties, irrespective of type, shape or size. For some years there was a good supply of 10-oz. brandy flasks—second-hand, of course—resulting from their import by the Germans for consumption by their own troops. Paper for wrapping became a forgotten luxury at an early date, and even today is still unprocurable.

Imported French gruel, with the addition of various ingredients, made an excellent infant and invalid food, which was sold at 2s. per lb. exclusively by chemists. This undoubtedly saved and prolonged the lives of many of those entitled to purchase it. Some chemists were able to produce essence of rennet of quite a fair standard, and the manufacture of potato flour, though officially frowned upon by the authorities as being wasteful, was indulged in on a considerable scale throughout the island. This enabled chemists to produce custard powders and similar preparations.

In the opinion of several members of the profession they never worked so hard in their lives as they did during the years under German oppression. Gas and electricity, curtailed from the early days by curfew hours that grew progressively more stringent as time passed, failed entirely during the depth of the 1944-45 winter, and though a small allocation of paraffin was permitted to chemists for essential preparations, there was none for heating the premises.

After six months of occupation, the German authorities issued an instruction to chemists forbidding them to supply drugs to members of the forces or to the associated Todt organisation workers. This was immediately seized upon by the trade as an excellent excuse to deny the invaders any goods whatever, and from then onwards no German was served, the official notice being pointed to as the authority of the assistant. Thus the stocks of pre-war goods were made to last much longer than they would have done had the Germans had a free run among them. On one occasion a chemist made a small quantity of artificial vinegar for a personal friend, who was so pleased with it that he told everyone he met of his good fortune, with the result

that the German spies heard about it and the Gestapo visited the chemist and ordered stocks to be made, ostensibly for the civilian public. Knowing full well that any he might make would never reach the local market, he refused—and only the end of the war saved him from a sentence in German prison for "sabotage."

Mr. Le Quesne had nothing but praise for the manner in which the Jersey pharmacists supported the work of their pool. The mutual help and co-ordination was beyond all the expectations of the organisers. In particular, the trade and the island in general were indebted to Messrs. E. Goult (manager of the Jersey Branch of Boots Ltd.) and P. J. R. Roberts, who were responsible for the organisation of supplies

TRADING WITH CZECHOSLOVAKIA

FOLLOWING the negotiation of a monetary agreement between Czechoslovakia and the United Kingdom and removal of Trading With the Enemy restrictions on current trade with that country, normal commercial relations can now be resumed. Private traders in the United Kingdom are thus free to enter into contracts with private traders in Czechoslovakia, or with agencies of the Czechoslovak Government. The Czechoslovak Government is prepared to consider issuing import licences to private traders for the import of goods into Czechoslovakia. Before finally undertaking to supply goods to private traders in the country, United Kingdom exporters should, however, satisfy themselves that their customers have obtained an import licence from the Czechoslovak Ministry of Foreign Trade, accompanied by a permit from the National Bank of Czechoslovakia to obtain the necessary foreign exchange. They should themselves apply to the Export Licensing Department of the Board of Trade, 4 Fenchurch Avenue, London, E.C.3, if the goods affected are subject to export licensing.

Government Purchases

The Czechoslovak Government may wish to confine the purchase of certain commodities exclusively to Czechoslovak Government purchasing agencies, but where an import licence and an exchange transfer permit have been issued to a Czechoslovak importer, the United Kingdom exporter may assume that the private transaction in question is approved by the Czechoslovak Government. Certain basic requirements will be obtained through U.N.R.R.A.,

so that purchases through private traders will be limited to goods which are supplementary to the U.N.R.R.A. programme. Applications for shipping space should be made to the Czechoslovak Government representative in London at the Czechoslovak Supply and Shipping Company, Furzecroft, George Street, W.1.

Issue of Licences

The Czechoslovak Government is also prepared to consider issuing licences to private traders to export goods to the United Kingdom, but import licences are required for all goods imported on private account into the United Kingdom from Czechoslovakia that do not come under an Open General Licence. Applications should be made to the Import Licensing Department, 189 Regent Street, London, W.1. The position with regard to the issue of licences is, in general, similar to that applicable to imports on private account from other overseas countries. Import licences are not normally granted for foodstuffs, the import of which continues to be conducted by the Ministry of Food. Applications for shipping space for exports from Czechoslovakia should be made by the exporters. Traders are warned that supply and other considerations may preclude the issue of a United Kingdom export or import licence in any given case. Payment for goods imported from Czechoslovakia will be made in Czechoslovak crowns (koruna) and for goods exported to Czechoslovakia in sterling, through normal banking channels. The rate of exchange has been fixed at approximately 20 Czechoslovak crowns (koruna) to the £.

OVERSEAS TRADE NEWS

Panama National Fair.—The first national fair of Panama is to be held in 1946, probably in March or April.

New Costa Rica Surtax.—A new surtax, mounting to 0·01 colon per kilo, has been imposed on imports into Costa Rica, except in goods which enter duty-free by decree.

Drugs for Greece.—The United Nations Relief and Rehabilitation Administration has imported approximately 20 million Atebrin tablets and 150 kilos of quinine into Greece since the Liberation.

Gift Packages for France.—Gift packages received by persons in France are allowed to contain soap. Importation into the country is duty- and licence-free within a eight limit of 20 kilos per month.

Freer Australian Exports.—Sulphuric ether, acriflavine or euflavine, tannic acid, silver nitrate and chlorinated lime may now be exported from Australia without the written consent of the Minister of Customs.

Spanish Turpentine.—Exports of turpentine from Spain during 1944 amounted to 17,800 quintals, valued at 2,093,000 pesetas. Exports of resin, pitch and similar products totalled 58,400 quintals, valued at 436,000 pesetas.

Belgian Congo Pyrethrum Production.—A steady rise in pyrethrum production in the Belgian Congo and Ruanda-Urundi is shown by the following figures (quantities metric tons): 1939, 21·6; 1940, 64; 41, 138; 1942, 195; 1943, 1,400.

Nutmeg Growers Unite.—A co-operative association is being formed by nutmeg growers at Grenada, British West Indies. Growers will receive four-fifths of the current purchase price on delivery, followed by the remainder, less expenses, after sale of the produce.

Belgian Congo Rubber.—It is officially announced that rubber stocks in the Belgian Congo have been put at the disposal of Belgium. An immediate shipment of 2,400 tons has been sent, and it is expected that these supplies will ease the present acute shortage of rubber in Belgium.

Turkish Chemicals Production.—A U.S. survey of economic conditions in Turkey during the second quarter of 1945 states that production in the chemical industry failed to come up to expectations, resulting in continued large-scale imports of many industrial and agricultural chemicals,

Unrestricted Penicillin in Brazil.—Control of the issue of prescriptions for and distribution of penicillin in Brazil has been suspended by the National Health Department, the official announcement stating that the quantity of penicillin in the country is now sufficient to meet all requirements.

Portuguese Cosmetics Exports.—Portugal exported approximately 99,525 kilos of cosmetics, including creams, powder, soap, tooth-paste and perfumes, valued at £50,000, in 1944. Practically all the goods were sent to Portuguese overseas possessions. Exports of toilet soap during the year amounted to 39 tons, valued at £9,500.

Canadian-South American Trade.—A gradual increase in Canadian shipments to South American countries has been recorded. Brazil is buying chemical and pharmaceutical products, and the president of Industrias Chemicas de Brasil is at present in Montreal arranging for shipments; Colombia and Chile are also importing from Canada. Shipping difficulties are still the main problem, but an increase in shipments is expected when the transport situation improves.

Penicillin Imports into Uruguay.—Customs duty on Uruguayan imports of penicillin has been modified as follows: Penicillin, packed in ampoules each containing up to 100,000 units of penicillin, per doz., 4·82 pesos plus 30 per cent. surcharge; packed in flasks with pierceable gum or rubber stopper, not containing more than 100,000 units, per doz., 2·40 pesos plus 30 per cent. surcharge. In the latter instance, when in ampoules or flasks containing more than 100,000 units, the valuation will be proportionate to the number of units.

Australian Seaweed Industry.—Developed during the war to replace Japanese supplies, the Australian agar industry has apparently come to stay. The seaweed from which agar is produced is found in Botany Bay, and thirty boats are now regularly engaged from September to February in harvesting the seasonal alga crop in the waters of Kurnell. Before the war, the agar industry was a Japanese world monopoly, and Australia was forced to import all of the 75 tons of agar used annually in the Commonwealth. Because of its importance in the preparation of bacteriological media and its other commercial uses, agar now fetches a high price in Australia.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include exceptional marine risk insurance and other abnormal charges payable under present conditions.

28 Essex Street, W.C.2, December 12

THE better tone reported last week has been fully maintained, and considerable business is passing in a wide range of commodities. Merchants and some manufacturers state that, while they have plenty of export orders, the shipping delays remain a bottle-neck.

Near continental countries, such as Denmark, are keen buyers, but it is not always possible to supply the goods required, owing to lack of supplies on the home market; traders may be assisted in some instances by a recent Board of Trade concession making licences unnecessary for the transhipment of certain goods. No information has come from the makers of PHARMACEUTICAL CHEMICALS of any important price changes during the week. Prices in this market are steadily maintained, and business is of a routine character.

Substantial inquiry is being met with in CRUDE DRUGS, and a good volume of business is passing, especially for export. Cape ALOES continues to be wanted but, as noted recently, prices have advanced. Supplies of ANTIMONY are barely sufficient to meet current requirements. BENZOIN is in good inquiry at present, but no supplies may be had on spot; it is difficult to forecast the future of this item, on account of unsettled conditions at the source. The market for CHILLIES and other spice products has been exceedingly quiet during the week but, as most grades are in limited supply, the trend of the market remains steady. COLOCYNTH is in good demand for the export trade. Offers of ERGOT from source are at high rates, but the quality of the product is poor. MENTHOL continues to sell slowly at previously quoted prices, and a good business is reported done under the new import licences at a price much lower than that current on the spot. Users of RHUBARB are still anxious to obtain supplies but, despite offers of high prices, nothing has come to light. The prices of SEEDS appear to vary widely, but the very low quotations cannot be confirmed. Some grades of WAXES are dearer on spot.

The only item of interest in ESSENTIAL OILS is a report that Chinese offers of ANISE (STAR) have been taken up on behalf of the United States at a price considerably lower than might have been

expected. No changes have occurred in the ESSENTIAL OILS imported under the official scheme, and FIXED OILS are at the rates last mentioned.

Russian Buckthorn Bark

A limited quantity of Russian BUCKTHORN BARK has been released to the Botanic Drug Import Merchants' section of the London Chamber of Commerce for distribution to consumers through qualified distributors £306 per ton, ex store. This bark is also available for export subject to compliance with export licensing procedure. Consumers and exporters are invited to communicate with the secretary of the Section, 69 Cannon Street, London, E.C.4, regarding the requirements.

U.S. Drug Market Report

New York, December 7

LITTLE hope is held out of a general improvement among HEAVY CHEMICALS before next spring, though sufficient CHLORINE supplies should soon be available to meet all consumers' demands^a as a result of the settlement of strikes in the industry. The Department of Commerce announces that DDT production has risen to 2,750,000 monthly, and a good demand from abroad is reported, except in the European sphere where the insecticide is supplied by England and Switzerland. The Office of Price Administration has increased ceiling prices on industrial ETHYL ALCOHOL by 3½ cents per gall.; manufacturers have speedily taken advantage of the concession. Shortage of PENICILLIN has resulted in a prior supply for hospitals.^b A better supply of raw materials should see an improvement in the quantities of two principal STRYCHNINE SALTS on the market next year. A consignment of 458 cases of Brazilian MENTHOL has arrived on an easy market, where sufficient SODIUM PERBORATE is not available to meet the many inquiries. Brazilian production of PYRETHRUM this year is estimated at 1,000 metric tons, a quantity approximately the same as last year's output. There have been no further offerings of Jamaican SARSAPARILLA root, though fresh lots of Mexican have arrived. CAPE ALOES remains firmly priced; some fresh arrivals of Cape are reported to be detained. No further supplies of MANDRAKE root

will be available until next May, owing to failure of the autumn crop.

Among ESSENTIAL OILS, the extremely high duty on Ceylon CITRONELLA has severely limited imports into the U.S. A stimulant to the price of the small quantities of Indian LEMONGRASS OILS available as been effected by a high demand from European sources. The arrival of small lots of BOIS DE ROSE is somewhat relieving the shortage of the oil in recent months.

Pharmaceutical Chemicals

ASPIRIN TABLETS.—Scales per 1,000, for bulk supplies, are as follows: Under 5,000, 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 5,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 50,000, 2s. 10d.; 500,000, 2s. 10d.; 1,000,000, 6s. 9d.

BENZYL BENZOATE.—For medicinal purposes, price unchanged at 5s. 6d. per lb.; in 7-lb. tins, 6d.

BORIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, 1s.; powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BROMIDES.—Makers' prices per lb. for POTASSIUM, in 28-lb. lots, are as follows (containers in brackets): 3s. 8d. (1-lb.); 3s. 7d. (2-lb.); 6d. (4-lb.); 3s. 5d. (7-lb.); 3s. 5d. (14-lb.); 4d. (28-lb.). SODIUM, 2d. per lb. less; AMMONIUM, 2d. per lb. more.

BRUCINE.—Current rates per oz. are as follows: ALKAPOID.—Under 25 oz., 1s. 4d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3d. NITRATE and SULPHATE. Under 25 oz., 1s. 3d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2d.

CODEINE.—Current prices per oz., for small sizes, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz., 5s. 9d.; 2 oz., 5s. 3d.; 3 oz., 50s. 6d.; 4 oz., 5s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz., 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 5s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz., 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 5s. 9d.

DIAMORPHINE.—Current rates per oz. for all quantities are as follows: BASE.—½ oz., 5s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 5s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYL MORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d.; HYDROCHLORIDE.—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 5s. 3d.; 4 oz., 48s.

GLUCOSE.—Home trade prices per lb. for powdered monohydrate are as follows: 14 lb., 1s.; in 14-lb. lots, 1s. 1d.; 28-lb., 1s. 2d., in 14-lb. lots, 1s. 1d.; in 28-lb. lots, 1s. 1d.

GUAIACOLS.—Supplies are not plentiful. Quotations for small quantities are as follows: Liquid, 16s.; crystals, 15s.; carbonate, 15s. per lb., in 7-lb. containers.

IODINE PREPARATIONS.—As noted recently, prices have been advanced. Current rates are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 9d.; 28 lb., 9s. 9d.; 14 lb., 10s. 3d.; 7 lb., 11s. 9d.; 4 lb., 12s. 3d.; smaller quantities, 12s. 9d. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 3d.; 14 lb., 10s. 8d.; 7 lb., 12s. 5d.; 4 lb., 13s. 1d.; smaller quantities, 13s. 1d. IODOFORM, B.P.—28 lb., 13s. 4d.; 14 lb., 13s. rod.; 7 lb., 16s. 0d.; 4 lb., 16s. 1d.; smaller quantities, 17s. 8d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5d.; 4 lb., 14s. 1d.; smaller quantities, 14s. 1d.

MAGNESIUM CARBONATE, HEAVY.—Prices per lb. for the home market, in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 7d. (1-lb.); 1s. 5d. (4-lb.); 1s. 4d. (7-lb.); 1s. 4d. (14-lb.); 1s. 3d. (28-lb.).

MAGNESIUM CARBONATE, LIGHT.—Home market prices per lb., in lots of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 4d. (1-lb.); 1s. 2d. (4-lb.); 1s. 1d. (7-lb.); 1s. 1d. (14-lb.); 1s. (28-lb.). Prices net one month.

MAGNESIUM TRISILICATE.—Prices per lb. in the home market, in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 9d. (1-lb.); 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6d. (14-lb.); 3s. 5d. (28-lb.).

MANDELATES.—Makers' quotations are unchanged. SODIUM AND CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9d.; 7 lb., 9s. 9d.; 14 lb. (in 7-lb. packages), 8s. 11d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

MANDELIC ACID.—Current rates are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Continues in good demand at unchanged prices. Smalls, 2s. 6d. per lb.; winchesters, 2s. 1d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11d.; 5 cwt., 1s. 11d. All prices net.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

Crude Drugs

ALOES.—Cape is still wanted at recently advanced prices.

ANTIMONY.—Supplies of the metal are barely sufficient to meet current requirements. Prices remain as follows: English minimum 99 per cent. regulus, £112 10s. per ton, delivered; 70 per cent. crude, for the home trade, £90.

ARECA NUTS.—No supplies are available on spot, but further consignments are expected.

BALSAMS.—*Canada*, in small compass on spot, 13s. 6d. to 14s. per lb.; *Peru*, steady at 8s. 3d. per lb.; *Tolu* and *Copaiba*, unobtainable.

BELLADONNA.—English herb is quoted on spot at 4s. 6d. per lb., and Indian root, 0·25 per cent., at 2s. 3d.

BENZOIN.—A good inquiry is being received for this article, but no supplies are available. Future consignments are likely to be delayed on account of the unsettled conditions at the source.

BISMUTH.—In good demand. Metal is selling steadily at 6s. 3d. per lb., in minimum 5-cwt. lots.

BUCHU LEAVES.—A few odd lots may be found on spot at 5s. 6d. per lb.

CHAULMOOGRA.—*Hydnocarpus*, spot, 2s. per lb., in tins in cases.

CHILLIES.—Very little offering. Prices unchanged at from 120s. to 130s. per cwt., according to seller.

CINNAMON CHIPS.—Spot quotations are at 2s. 2d. per lb., ex store.

CLOVES.—Quiet conditions obtain, but price is unchanged. Zanzibar, spot, 1s. 7½d. per lb., sellers; to arrive, 9½d. per lb., c.i.f.

COCHINEAL.—Silvers continue to be quoted on spot at 5s. 9d. per lb.

COCOA BUTTER.—Officially quoted at 1s. 5½d. per lb. maximum. Sales under licence may be at higher prices.

COLOCYNTH.—In good demand for the export trade. Spot price is at 2s. 6d. to 2s. 10d. per lb.

DIGITALIS LEAVES.—Unchanged at previously quoted prices: Portuguese, spot, 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—Spot, 7s. 6d. per lb. Offers from source are at high prices but the quality is poor.

GINGER.—West African, spot, 85s. per cwt.

GUM ACACIA.—Kordofan cleaned sorts, spot, 76s. per cwt., London; 74s., Liverpool, and 74s., Manchester; bleached, spot, 150s.; Talha, cleaned, 42s. 6d.

HENBANE.—Indian, spot, 250s. per cwt.; Egyptian (*muticus*), 85s.

JALAP.—The good testing grades appear to have been cleared, but some 10 per cent. is available at 3s. 6d. per lb.

KAMALA.—Material yielding 6 per cent. ash would be valued at 2s. 9d. to 3s. per lb. on spot.

KARAYA GUM.—Spot quotation for Indian No. 1 gum is at 210s. per cwt.

MALE FERN ROOT.—Indian root may be obtained on spot at 85s. per cwt.

MENTHOL.—Selling slowly on spot at 80s. to 82s. 6d. per lb. A considerable business has been done in importation under the new licences for February–March delivery. Up to about 30s. per lb. has been paid, including duty.

MERCURY.—Prices are controlled by the Control of Mercury (No. 11) Order (C. & D., October 13, p. 388).

MYRRH.—Aden sorts of good quality may be had on spot at £18 per cwt.

NUTMEGS.—Current prices for any available supplies are as follows: West Indian, 80's 3s. 10d. per lb.; sound unassorted, 3s. 7d. wormy and broken, 3s. 4½d., nominal.

PEPPER.—Whole, not picked over or cleaned on sale to processors, is officially priced at 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Steady on spot at 1s. 6d. per lb. sellers.

QUASSIA CHIPS.—Nothing on the spot, but January delivery will be at 40s. per cwt.

RHUBARB.—This article is urgently wanted but no supplies can be found.

SEEDS.—Plenty of inquiry is reported, especially for **CORIANDER** and **FENNEL**, but little business has resulted. Prices appear to vary widely but the following are based on the most reliable reports: **ANISEED.**—Turkish, spot, 2s. 8d. per lb. **CORIANDER.**—Spot supplies have been cleared and there are no offers; forward 120s. per cwt., c.i.f. **CUMIN.**—Maltese, 150d. paid; Indian, none available. **DILL.**—London 80s.; Liverpool, 80s. **FENNEL.**—Supplies have been cleared, nominal. **FENUGREEK.**—Hull, 67s. 6d. paid.

SENNA.—Alexandrian hand-picked pods are in good demand; price nominal at 4s. per lb. Good manufacturing Alexandrian pods, 2s. per lb. Tinnevelly leaves, No. 1, 10d. per lb. No. 2, 8½d.; No. 3, 7d.

STROPHANTHUS SEED.—100 per cent. Komspot, 7s. per lb.

TRAGACANTH.—Medium grades are quoted follows: No. 1, white, £140 per cwt.; No. 2, white, £120; No. 3, white, £105; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Sound Madras finger, spot, 12 per cwt., nominal; c.i.f., 67s. 6d. paid.

WAXES.—**BEES'.**—Dar-es-Salaam, spot, 24 per cwt. (not Government stocks). **CARNAUBA.**—Fatty grey, spot, 650s., nominal, per cwt. February–April, 595s. c.i.f.; prime yellow spot, unobtainable; February–March, 710s. c.i.f.; chalky grey, spot, none available.

CANDELILLA.—Spot, 350s., nominal; forward not quoted. **OURICURI.**—Spot, 425s.

Essential and Expressed Oil

ANISE (STAR).—It is reported that a quantity offered in China has been bought by the United States at a price of approximately 15s. per lb.

CASTOR.—Bulk supplies are officially quoted as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works.

CLOVE.—Good demand for English-distilled bud oil, price of which remains at 12s. 6d. per lb., according to quantity.

COCONUT.—Fixed prices are as follows: Crude, £49 per ton; refined deodorised, £48 per ton; refined hardened deodorised, £53.

GROUNDNUT.—Bulk supplies of refined odourised are priced at £58 per ton, ex works.

CORRESPONDENCE

Throat-brush Standard

SIR.—We would like to invite your co-operation in drawing attention to the need for establishing an authoritative standard of quality for throat-brushes. It is, in our opinion, a matter of importance that the public should be protected from the use of cheap brushes made of hair不适 to its purpose by reason of its coarseness. The throat is a sensitive part, rendered more so by inflammation, and a rush made for medical use should be made of the best material, which is squirrel hair—soft goat-hair being a second best. The hair should also be of the necessary length to provide flexibility. Of such a standard, some brushes now being sold could fall lamentably short, and we should therefore greatly welcome a general move by the brush trade in the direction suggested.

Yours faithfully,

Welwyn, Herts. RAAB & SONS.

Attack on Chemists' Honesty

SIR.—We, the undersigned, being pharmacists in practice in this town, are closing herewith a copy of an article which appeared in "John Bull" dated December 8, since we feel that you are in a position better able to make the protests that should obviously be made than we are individuals. Are we to consider this article as an attack on the honesty of our profession as a whole, or is it simply advance propaganda of the kind we must expect by way of preparing the public mind for the institution of a State Medical Service, to achieve which the writer of the article has attempted to discredit the pharmacist in the opinion of the public by statement of half-truths and partly-unsupported facts?—Yours faithfully,

T. SHELLEY.

W. G. GRIFFITH.

R. EVANS.

Bilston, Staffs. F. GOULDING HOPKINS.

We have read the article referred to. It will be appreciated that no purpose would be served by replying in these columns to the absurd allegations made in general terms against the integrity of chemists. We understand the National Pharmaceutical Union, which is in a position to do so, is sending a copy to the newspaper concerned, giving the facts in their true light. The opportunity arises here, we think, for the Public Relations Officer of the Pharmaceutical Society to enlighten the public on the subject.—EDITOR.

MISCELLANEOUS INQUIRIES

Benzyl Penicillin.—*A. E. K.*—The benzyl ester of penicillin, introduced in the United States by an American chemical manufacturer, is claimed to have at least three times the therapeutic potency of sodium penicillin when injected, and five times the potency when taken orally.

Prevention of Bedsores.—*A. L. G.*—Keeping the part thoroughly clean by regular washing with soap and water, and subsequent efficient drying, with lessening of pressure on the part, afford the only reliable means of preventing painful sores. Industrial spirit is often used for hardening the skin and for its possible antiseptic action.

Determination of Pyrethrins.—*J. P.*—Martin and Brightwell ("Bulletin of the Imperial Institute," XLIII, No. 3) give a modified Wilcoxon-Holaday method for estimating pyrethrin in pyrethrum flowers, sprays and concentrates. It is hoped shortly to publish more recent work indicating that 1 mil M/100 potassium iodide solution is equivalent to 5.7 mgm. pyrethrin 1.

Portland Cement.—*C. M. G.*—Chemically, cement consists chiefly of CaO, about 65 per cent., SiO₂ about 22 per cent., and Al₂O₃, about 6 per cent., with smaller quantities of oxides of Mg, Na, Fe, K and Ti. "Mortar" is a mixture of cement and sand below a $\frac{1}{8}$ in. mesh in size. "Concrete" is a mixture of cement and sand with coarse aggregate above $\frac{1}{8}$ in. in size.

Vital Capacity.—*M. F. C.*—The term vital capacity is applied to the maximum quantity of air that can be exhaled after a maximal inspiration. The measurement is made with an ordinary spirometer. The nose is closed and the standing patient, after he has made a maximal inspiration, is instructed to exhale as much air as he can by the mouth. Care has to be taken that all the air exhaled goes into the recorder.

DDT as Malaria Preventive.—*A. K. S.*—Data collected by the Malaria Institute of India before and after spraying DDT preparations on the banks of the Jumna at Delhi have shown a reduction of 50 per cent. of adult mosquitoes on some parts of the ground sprayed, while the larvæ of the whole area were destroyed. More tests are being applied in other malarial districts.

Paper for Wrapping.—Goods cannot be distributed at home or abroad unless they are properly packed. Waste-paper is wanted for processing into wrapping materials.

TRADE MARKS

(From "The Trade Marks Journal," November 28)

"FINTONA"; for toilet preparations, and toilet articles not included in other Classes, excluding hair dyes (3). By Finlay & Co., Ltd., Collingwood House, Mercers Road, London, N.19. 636,114.

"MANDELLE"; for surgical and medical bandages (5); air and water cushions, pillows and beds, teats, enemas, whirling sprays, syringes, surgical drainage tubing, surgical gloves, surgical articles, bed warmers, water bags, elastic stockings, support and hip belts, nipple shields; all made of rubber or of material in which rubber predominates (10). By J. Mandleberg & Co., Ltd., Albion Works, Cobden Street, Pendleton, Salford, 6. B635,201, B635,139 (both Associated).

"CYSTATON"; for pharmaceutical preparations and substances for treatment of cystitis and of similar ailments (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 635,314.

"REPOSAN"; for pharmaceutical preparations (human and veterinary) (5). By R. Michels, 57 Compayne Gardens, Finchley Road, London, N.W.6. 636,016.

"EXOTA"; for pharmaceutical tonic preparations in tablet form (5). By The Naturist (1941), Ltd., 222-24 Gray's Inn Road, London, W.C.1. 636,044.

"NILMAC"; for veterinary preparations (5). By Chapman & Son (Grimsby), Ltd., 342-44 Victoria Street, Grimsby. 636,336.

"PENEUCIN"; for medicated ointment (5). By Herts Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Hertfordshire. 656,397.

Device showing treble clef in form of man conducting, with baton, and abbreviation and letter, "Mr. G." (the latter disclaimed); for scientific apparatus and instruments, etc. (9). By Mains Radio Gramophones, Ltd., 359 Manchester Road, Bradford. 634,774.

"ELECTRICON"; for electrical scientific apparatus and instruments, etc. (9). By R. Trist & Co., Ltd., Bath Road, Slough. 635,488 (Associated).

"SURGICRAFT"; for surgeons' needles and suture needles (10). By A. W. Showell (Surgicraft), Ltd., 109 Colmore Row, Birmingham, 3. 635,106.

"WARVEX"; for articles for prophylactic purposes, and contrivances (not medicated) for surgical and curative purposes, all being of indiarubber; surgical trusses; belts for surgical or curative purposes (10). By Ward's Surgical Co., Ltd., 19 Villiers Street, Strand, London, W.C.2. 635,697.

"CHRYSTOSE"; for sweets (not medicated) containing glucose (30). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 636,095.

"CUSENIER"; for syrups for making beverages (32). By Société Anonyme de la Grande Distillerie, E. Cusenier Fils Aine & Cie, c/o Mewburn Ellis & Co., 70 and 72 Chancery Lane, London, W.C.2. 609,667 (Associated).

APPLICATIONS MADE TO THE CUTLERS' CO., SHEFFIELD

"NYLKASE"; for parts for bottle washing machinery, etc. (7). By W. T. Flather, Ltd. Standard Steel Works, Sheffield Road Tinsley, Sheffield. 636,035/7699S.

REGISTERED USERS OF REGISTERED TRADE MARKS, ENTERED IN THE REGISTER IN RESPECT OF THE GOODS STATED, WITHOUT LIMIT OF PERIOD SUBJECT TO THE CONDITIONS OF RESTRICTIONS PRINTED IN ITALICS

Specification No. 633,240, by Abbot Laboratories (England), Ltd., for medicinal preparations. *The Trade Mark is to be used by the Registered User (who is to be the sole registered user while he remains registered only so long as the Registered User is completely controlled by the Registered Proprietor*

CONVERSION OF SPECIFICATIONS

Section 36 (3) and Rules 6 to 8

To Schedule IV (with amalgamations)

Specification No. 529,460, for common soap laundry preparations; perfumed soap, cosmetic and toilet preparations, by Co-operative Wholesale Society, Ltd.

Specification No. 530,098, for laundry preparations, common soap, toilet soap, perfumes, toilet preparations and dentifrices, by E Cook & Co., Ltd.

CANCELLATION ON APPLICATION OF THE PROPRIETORS

Specification No. 633,315, by Silten, Ltd. cancelled in respect of medicated wines.

(From "The Trade Marks Journal," December 5)

Words "Homepac" and "Name of Repute (disclaimed); for borax and fuller's earth (the Mark bearing one or other description (1). By Homepacs, Ltd., 10 Church Street Burslem, Staffs. B636,297 (Associated).

"FILTRACITE"; for filtering materials being chemical substances or raw or partly prepared vegetable and mineral substances (1). By Filtrators, Ltd., 329 High Holborn, London, W.C.1. 636,490.

"SEIGNEUR"; for perfumery, toilet soap, toilet and cosmetic preparations, dentifrices (3). By L. Scherk, 47 Carlyle Mansions, London, S.W.1. 634,177

"EDESCO" (with and without a cross device with colour restriction); for essential oils (3). By The Edinburgh Essence Co., Ltd. East Silvermills Lane, Edinburgh, 635,212, 635,520 (both Associated).

"CAREER GIRL"; for toilet and cosmetic preparations (3). By N. G. Leland, Victoria Street, London, S.W.1. 636,261.

"WITOLAX"; for petroleum oils and jellies all for use in medicine and pharmacy laxatives (5). By Olie Raffinaderij Witte Naamlooze Vennootschap, c/o J. A. T. Cato & Son, Monument Station Building London, E.C.4. 610,920 (Associated).

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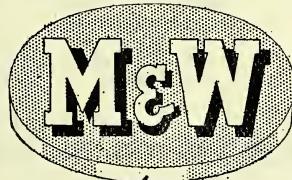
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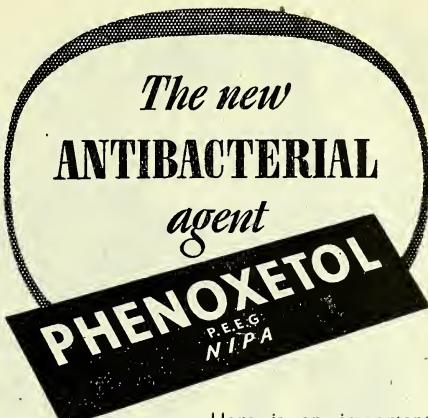


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References: *Lancet* 1944, 247, 175.
Lancet 1944, 247, 176.

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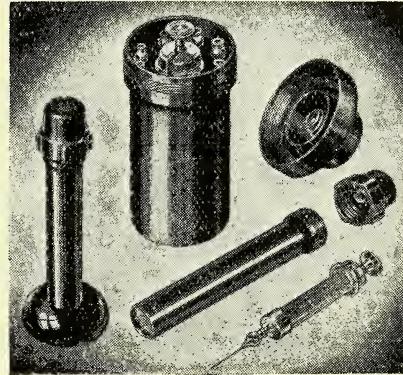
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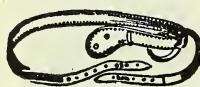
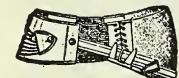
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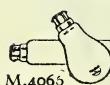
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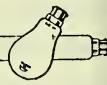
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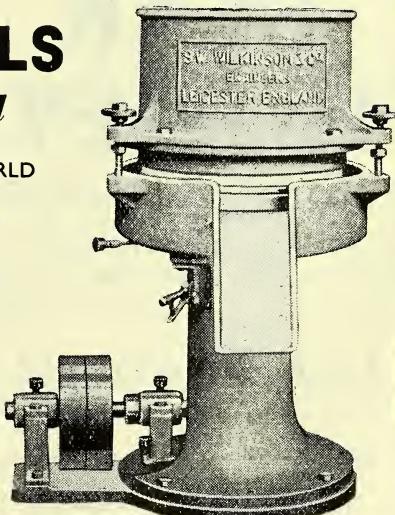
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BRISTOL. Pharmacist not over 45 years; preference given to ex-Serviceman or Newly-qualified seeking all-round experience prior to opening own business. The position is permanent and progressive, and salary will be based upon capability, tact, personality, conscientiousness, adaptability, even-temperedness and above all a sense of humour. Middle-class business, Dispensing mostly N.H.I., busy Counter Trade, own Toilets. Reasonable hours; no Sunday or half-day duties. Applications from Welshmen respectfully declined. 941/171, C. & D. London Office.

BOURNEMOUTH. Qualified Assistant required as soon as possible; male preferred, but not essential; easy hours, no Sunday duty. Apply giving usual particulars and salary required to 940/148, C. & D. London Office.

CHIMIST requires the services of Lady experienced in Developing and Enlarging amateur negatives. 939/119, C. & D. London Office.

COMPETENT Assistant. Unqualified, wanted, Surrey district, 20 minutes from Victoria; Dispensing and General Retail business. Send particulars, salary, etc. 941/155, C. & D. London Office.

DAGENHAM. Capable and Experienced Qualified Manager required for busy pharmacy; well paid post; permanent. State full particulars and salary required to 939/101, C. & D. London Office.

DISPENSARY Porter, Storekeeper and Laboratory Assistants required immediately; previous experience an advantage; hours 8.30 a.m. to 5 p.m.; 40s. to 78s. per week according to age and experience; temporary appointment but good prospects of permanency. Apply Chief Pharmacist, Guys Hospital, London, S.E.1.

GLOUCESTER. Qualified Young Assistant, either sex, wanted for busy shop; permanency and good prospects for right applicant. Send full particulars and wages required to Mr. R. Maxwell Hill, Gloucester Co-operative and Industrial Society, Ltd., Gloucester.

HAMPSTEAD, N.W.3. Qualified Assistant required for good-class Dispensing Business; congenial post. Also Unqualified Assistant experienced in Dispensing. Apply with full particulars to 940/149, C. & D. London Office.

HEPPELS (1932) Ltd., require Manager for a West End Branch; experience of High-class Trade essential. Apply Supt., Heppells (1932) Ltd., 70 Vauxhall Bridge Road, S.W.1.

HUDDERSFIELD. Wanted capable Qualified Dispenser; reasonable hours; adequate help given in busy dispensary which is apart from Pharmacy. R. Cuthbert, Ltd., Westgate, Huddersfield.

LADY Dispenser for Doctor's Practice, January 1; comfortable position, permanency. Please give full particulars to Frank Wainwright & Son, Ltd., Eastleigh, Hants.

LADY Dispenser-Book-keeper required for Medical practice in North London; two dispensers employed; pleasant residential district. 941/ C. & D. London Office.

LEICESTER. Temporary Manager required for now until June-July, 1946; owner of pharm in Royal Navy, Group 45. Applicant must have knowledge of small scale manufacturing and purchase tax application. 630/681, C. & D. London Office.

LEICESTER. Manager (qualified) required for middle-class Dispensing business in sub-congenial post; possibility of living accommodated later. Write 939/100, C. & D. London Office.

MANAGER, experienced, take charge Pharr North-West London; permanency; prospects suitable applicant. Apply 938/962, C. London Office.

MARGERRISON, Oakengates, Shropshire, requires Young Qualified for Training for F1 Branch Management; good salary and comfortable progressive position for right man.

ORIDGE & CO., Employment Agency, Coln House, Aldwych, W.C.2, invite inquiries Pharmacists and Unqualified Persons required for situations, except women between the ages of 40 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

OXFORDSHIRE. Lady Pharmacist for Dispensing and Counter; experience in dressing an advantage; no Sunday or half-day. Neave & Lea, Chemists & Opticians, Witney.

POPLAR. Qualified Manager for busy working-class branch; excellent prospects for young man with energy and ability; plenty of scope for improvement. State salary required. Write 939/ C. & D. London Office.

QUALIFIED Lady or Gentleman for business Baker Street; £10 per week; permanent. Phone Wel 3051.

QUALIFIED Branch Managers and Locum required immediately for Wrexham dispensing permanencies where suitable. Please send particulars to L. Rowland & Co., Ltd., Che Mire Buildings, Brook Street, Wrexham, N. Wales.

QUALIFIED Pharmacist Manager (male or female) urgently required by old-established family retail Chemists, North-West Lancashire coast town; varied work, good wages. Apply stating age, experience and salary required to 939/103, C. & D. London Office.

QUALIFIED Manager required for Branch very attractive Surrey town; living accommodation, including old world garden; business of the highest class. Apply giving full particulars and salary required to 940/125, C. & D. London Office.

REQUIRED a man experienced in Measuring Fitting Trusses, Belts and other Surgical Appliances; a knowledge of Surgical Instruments also an advantage. Apply, giving full particulars and salary required, to John Richardson & Co., Evington Valley Road, Leicester.

SUPERINTENDENT Chemist, preferably Optical qualification, required for centrally placed established business newly taken. Applicants should be fully capable of carrying out the duties of Superintendent Chemist, Manager, Buyer, and of organising the Society's Pharmaceutical development throughout the area. Salary not less than N.U.C.O. rates inclusive; supernumerary scheme in operation. Apply stating age to Manager, Accrington and Church Industrial Co-operative Society, Ltd., Oakfield House, Blackpool Road, Accrington.

THE BARNESLEY BRITISH CO-OPERATIVE SOCIETY, LTD., require permanent Pharmacists (male or female) as Branch Managers available. Applications, stating age, experience and wage required to the Secretary, Barnsley Co-operative Society, Ltd., Wellington Road, Barnsley, Yorks.

QUALIFIED. Vacancies exist in Southgate and Reading for Unqualified Assistants, male and female, experienced in Dispensing; these offer excellent positions. Apply giving full particulars of experience, etc., to the Retail Drug Dept., Dorothy Whites & Taylors, Ltd., Allen House, 70 Chalk Bridge Road, London, S.W.1.

ANTED Dispenser-book-keeper by a partnership of two doctors in South-East Midlands; and consider two friends. Reply stating salary to 940/144, C. & D. London Office.

WARWICKSHIRE. Doctor requires as soon as possible experienced Dispenser-book-keeper; ant working conditions; accommodation available.

Full particulars of experience and salary to Dr. H. Stuart Martin, Thatched House, Ferworth Road, Nuneaton.

RETAIL (COLONIAL)

OVERSEAS EMPLOYMENT. **QUALIFIED PHARMACIST** required for Kenya. Five minimum. Salary commencing £45 month rising annually; passage paid out. Written applications giving (1) Full name; (2) Date of (3) National Service Registration number and Office shown on address side of Registration N.S.2.; (4) Medical grade if known; (5) If discharged from the Forces, particulars of Service, rank, unit and reasons for discharge; (6) Qualifications and experience; (7) Name and address present employers; (8) Details of present work to be sent to The Secretary, Overseas Manpower Department (Ref. 2238), Ministry of Labour and National Service, Norfolk House, St. James's Square, London, S.W.1. Applications cannot be acknowledged.

WHOLESALE

ENTS required in England and Wales for an Advertised Proprietary Line. Send fullest particulars to 941/167, C. & D. London Office. excellent opportunity is offered to a lady or gentleman able to supervise the Manufacture of Proprietary Medicines; applicants must be aged M.P.S. and able after training to assume executive position in control of Factory Staff. Applications from persons who have just completed training will be considered. Write in first instance to 941/158, C. & D. London Office.

INSTANT required for Tablet Department of Manufacturing House, London, experience of tabletation Processes desirable; also Compounder of Preparation of Pharmaceuticals. Both positions offer opportunities for advancement to conscientious workers. Apply stating age, experience and salary to 941/178, C. & D. London Office.

MIST. Must be experienced in Production, Organising and Management; unlimited opportunity for energetic man with initiative to take of small progressive manufacturing concern; man may possibly be considered, also Partnership. 940/153, C. & D. London Office.

CATED woman required by Manufacturers of pharmaceutical and Toilet preparations, to manage production and welfare factory staff, enced mass production, automatic filling, and desirable. Interesting position, with good prospects. 941/175, C. & D. London Office.

RETIC young man with pleasant personality wanted as Medical Representative for London progressive company, some knowledge of sufficient; training given; excellent prospects for working man. State experience and salary to 941/179, C. & D. London Office.

OR Packing and Invoice Clerk wanted, Kilburn District, Chiffre. 941/160, C. & D. London

EXPERT Tablet Coater required by Manufacturing Chemists in West of London; good wages paid to right man. Send applications, together with references and wages claimed, to Box 835A, Smiths, 100 Fleet Street, E.C.4.

LONDON Manufacturers require services of Qualified man with experience of Ampoule Work. Write giving age, experience and salary required to 941/157, C. & D. London Office.

MANUFACTURING Chemists in London have a vacancy for Qualified Chemist with experience in Essences and Cosmetics Manufacture; please state salary required. Applications 940/152, C. & D. London Office.

PHARMACIST required on the executive staff of London House to assist in general management; some knowledge of the wholesale trade desirable. Attractive opening with prospects to man with ability, initiative and energy. Apply in first instance, stating salary, age, experience, to 940/137, C. & D. London Office.

QUALIFIED Chemists, B.Sc., A.R.I.C., required for Analytical and Experimental Laboratories of a West London firm of Manufacturing Chemists; pharmaceutical qualifications an advantage, although not essential. Commencing salary £400 per annum. 941/162, C. & D. London Office.

REPRESENTATIVES required to call upon Chemists, Hairdressers and Stores, to sell Emulsifiers, Perfume Essences, Dyes, Chemicals, Bottles, Jars, Labels, Nail Files, Tweezers, etc., of finest quality. Prompt delivery. Liberal drawing account. Briccas, Ltd., 4 Cavendish Place, London, W.1.

REPRESENTATIVE required for Yorkshire, Durham and Northumberland, to call on Chemists, Grocers, Stores, etc.; salary, commission and expenses paid; Write full particulars. 940/151, C. & D. London Office.

REQUIRED Male or Female Laboratory Assistant for training in Experimental Photographic Investigations; should possess (or be taking) Inter. B.Sc., with Chemistry; age 17-22. Applicant may also be required to assist in organic chemical research work. Apply, giving full details to Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

SHIPPING Clerk required by old-established Manufacturing Chemists, East London; knowledge of Spirit and Sugar Drawback essential; good salary; five-day week. Apply 941/177, C. & D. London Office.

TABLET Coater required by Midland Manufacturing Chemist. Write stating age and experience to 632/749, C. & D. London Office.

TABLET Maker required for London factory with modern machinery; good wages and prospects. 939/993, C. & D. London Office.

TRAVELLERS required for all counties, Great Britain, to call on Chemists, Hairdressers and Grocers, etc., with new proprietary medicinal lines together with established products; travellers with good connexions preferred but not necessary. Reply 940/121, C. & D. London Office.

WORKING Foreman for Manufacturing Department in Cosmetic Firm; must have knowledge of Creams, Lipstick and General Liquid Lines, etc. Particulars of experience, age, salary required. Write 941/159, C. & D. London Office.

WHOLESALE (COLONIAL)

INDIA. Pharmacist, male, aged 25-27, required early in 1946 by our Bombay House; executive and representative duties; three years' contract. Write, giving details of experience and army service. Anglo-French Drug Co., Ltd., 12 Guilford Street London, W.C.1.

OVERSEAS Employment. Assistant Pharmacist required by the Government of Tanganyika for the Medical Department for one tour of 2 to 3 years in the first instance. Salary £372, rising to £600 plus cost of living allowance; outfit allowance £30; free passages and quarters. Candidates not over 36 years of age, must be member of the Pharmaceutical Society of Great Britain preferably with experience in a large Teaching Hospital or the Wholesale Trade or service in the Royal Army Medical Corps; a practical knowledge of Surgical Instruments and Hospital equipment and of Stores Management is also desirable. Written applications (no interviews) giving the following essential details: (1) Full name; (2) Date of birth; (3) Qualifications and experience; (4) Name and address of present employers; (5) Details of present work. Should be sent to The Secretary, Overseas Manpower Department (Ref. 1218), Ministry of Labour and National Service, Norfolk House, St. James's Square, London, S.W.1. Applications cannot be acknowledged.

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2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

A QUALIFIED Chemist, just demobilised, would be pleased to hear of any vacancy in the Hertfordshire district. 938/981, C. & D. London Office.

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L ADY (unqualified) seeks post, Hammersmith or close. 941/174, C. & D. London Office.

Q UALIFIED lady (Scot) desires Managerial post; experience in all branches Pharmacy; references on application. Full particulars please. 940/147, C. & D. London Office.

WHOLESALE

A SSISTANT, capable, keen salesman, eight years' all-round experience London and Provinces, seeks permanent progressive position; excellent references. 941/161, C. & D. London Office.

C OSMETIC Chemist experienced in Formulating and Compounding; good knowledge of Manufacturing, desires interesting position. 941/172, C. & D. London Office.

G ENERAL or Sales Manager, Qualified, fully experienced, very successful record establishing new lines, requires responsible post offering wide scope. 941/176, C. & D. London Office.

M.P.S. D.B.A., very considerable experience medical propaganda, sales and speciality business; sound knowledge therapeutics and pharmaceutical practice. Now seeks responsible administrative post. 939/111, C. & D. London Office.

P ILL Maker, age 38, available; 15 years' experience Calton machinery; capable staff controller. Lovell, Ferndale, South Road, Brighton.

R EPRESENTATIVE, Kent, Sussex, Hants, Dorset; strong Chemist connexion, Retail and Wholesale, wishes to represent a house of repute. 940/154, C. & D. London Office.

R EPRESENTATIVE (Sales 25 years), disengaged December 29; Chemists' connexion over 5,000; London and twenty-two Counties; Proprietors preferred; would entertain Agency; own car; worker. 940/139, C. & D. London Office.

YOUNG ex-serviceman, 35, keen, energetic and intelligent and possesses initiative, now hold Assistant Supervisor's position with a National Anglo-American Company, seeks Executive position of training and supervising salesmen. Salary not so important as prospects; prepared to move anywhere. M.792, Williamson's Advertising Agency, York.

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STONE, Nr. DARTFORD, KENT

LABORATORY TECHNICIAN (Qualified) required; Joint Committee Scale. Application stating age, full particulars of qualifications and experience should be addressed to the Medical Superintendent as soon as possible.

SURREY COUNTY COUNCIL

EPSOM COUNTY HOSPITAL
DORKING ROAD, EPSOM

HEAD PHARMACIST. Applicants must possess M.P.S. or Ph.C. qualification. Commencing salary according to experience on £275 x £10—£325 p.a., plus war bonus 18s. 6 p.w. female, 23s. p.w. male. The appointment will be on the Council's permanent staff in the case of a female, but male applicants can be appointed on temporary basis in the first instance.

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ASSISTANT PHARMACIST, Temporary. Must be M.P.S. or Ph.C. Salary grade £250 x £10 £300 p.a., plus bonus 23s. p.w. male, 18s. 6 p.w. female. Apply to Medical Superintendent.

ASSISTANT PHARMACISTS (Two) required by Middlesex County Council at Redhill County Hospital, Edgware, Middx. Applicants must hold one of Pharmaceutical Society qualifications. Commencing salary £250 p.a. Increments of £10 up to £300 p.a. considered annually. Additional cost of living bonus (not £60 p.a.). Unestablished staff; whole-time duties under supervision of Medical Director and Chief Pharmacist. Application, stating a qualifications and experience, enclosing copies up to three recent testimonials, to Medical Director of Hospital, immediately. Applications not provided. Male candidates should state position with regard to military service.

KENT COUNTY COUNCIL

PHARMACIST

Applications are invited for the following appointment at the County Hospital, Dartford. PHARMACIST (M.P.S. or Ph.C.); either senior Hospital experience preferred. Salary £275 £325 a year by £10 increments, plus a war addition at present £59 19s. 3d. for males and £48 4s. 8d. for females. Superannuation; medical examination necessary.

Applications, stating age, qualifications, experience, and the names and addresses of the responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
County Hall, Maidstone.
Clerk of the County Council
5th December, 1945.

MIDDLESEX COUNTY COUNCIL

OCUM PHARMACIST required at WEST MIDDLESEX COUNTY HOSPITAL, Isleworth, Middx. Commence duty December 31, 1945. Salary, 27 7s. per week. Applications to CHIEF PHARMACIST, at hospital.

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
Westminster, S.W.1.

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E Trade Marks SAE-SAL, No. 517148, and DENGTERM (on a label), No. 533117, both registered in respect of chemical substances prepared for use in medicine and pharmacy, and DENGTERM (a label), No. 533116, registered in respect of chemical substances used for agricultural, horticultural, veterinary and sanitary purposes, were filed on the 7th May, 1945, by John George Clark, of 58 Fordwych Road, Kilburn, London, to Clark, Limited, of 90 Borough High Street, London, S.E.1, without the goodwill of the business which they were then in use.

E Trade Mark, No. 253853, consisting of an Oval Label bearing the words and signature, "Broughton Lotion", and registered in respect of liquid external application as a remedy for dermatitis and like complaints for human use, was filed on the 1st November, 1945, by the Public See of Kingsway, London, W.C.2, as personal representative of the late Matilda Broughton to Matilda Broughton Manufacturing Co., Ltd., without the goodwill of the business in which it was then in use.

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PORT Trade. Managing Director of established British Firm of Merchants and Manufacturers' Agents shortly visiting South Africa, Asia (North and South), East Africa, Egypt, Portugal and Spain, wishes to contact Manufacturers and Agents of developing their export trade in the United Kingdom and other countries with a view to securing representation. Box No. C.1, 110 Old Broad Street, London, E.C.2.

ESTINE. Well-established wholesale Drug Store (owned by leading Chemists) seeks connections with first-class Manufacturers of Pharmaceutical and Cosmetical products; sole Agency, or distributorship considered. Write, The United Agents, Ltd., 55 Jaffa Road, Haifa.

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7/6 for 36 words or less, 2d. for every additional word.

ANY quantities of 2½-oz. Screw Neck Tobins urgently required. State quantity and how packed; collection arranged if necessary. Chas. R. Horner & Co., Ltd., Horsforth, Nr. Leeds.

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BOTTLES wanted, New and Used, 6-oz. size, any type; quantities up to 1,000 gross monthly. Sanoda Manufacturing Co., 216 High Street, Pendleton. 'Phone Pen. 2331.

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